

easyEmission - 1st Steps & Overview



testo easyEmission

loading modules

Folder Measure sites Measurements Measure types testo 330/335 testo 350 Settings Database

Previous module Initial page Exit Search measurement Display measurement data Delete Change site Connect Export Import

General Measurements Handle measurements

List Tree view

Folder	Site name	Start measurement	Type
Michael	Desk	11/6/2008 1	
Michael	Desk	11/6/2008 1	
Michael	Desk	11/6/2008 1	
None	None	11/6/2008 1	

Start Stop Measure type

Start all sessions Stop all sessions Instrument

.1

Information Graphics Measure values

Date / time	% O2	ppm...	ppm...	ppm...	% F Ta...	% CO2	% EFF	% Ex...
11/6/2008 3:55:31 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:32 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:33 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:34 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:35 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:36 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:37 ...	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:38 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:39 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:40 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:41 ...	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:42 ...	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:43 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:44 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:45 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:46 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:47 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:48 ...	21.01	0	1	1	-	-	-	-
11/6/2008 3:55:49 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:50 ...	21.01	0	0	0	-	-	-	-

Print Preview

Folder Measure sites Measurements Measure types testo 330/335

Previous module Initial page Exit Search folder Details folder Change data folder Insert new folder Import data folder Save

General Folder Save



Go straight to the tasks you want to do with easyEmission!

Just CLICK on the field to open the chapters!

Getting Started...

Connect analyzer / PC

Serial connection

Bluetooth® 2.0

Testo-Bus connection

Create NEW folders & locations

Download measurements from the analyzer

First real time measurement

Analyze your measurements

Export data

Print out measurements

Export to other programs

Export easyEmission files

Advanced...

Using more than one analyzer

Setup system

Realtime measurement

Import Testo templates

Create reports for customized printouts

Measure types and related functions

Change instrument settings

Connect analyzer
with easyEmission



Serial Connection

Connect Analyzer – PC

Connection via serial interface

- Serial connection is set up using a testo 350 Control Unit. Only one Control Unit can be connected to the measurement system!
- For serial connection of testo 350 to a PC, the “PC connection cable/0409 0178 instrument” is required.
- **Cable connection**
 - Connect connection cable to a serial connection socket in the PC
 - Connect connection cable to the RS232 socket of the ControlUnit
 - Switch on measuring instrument



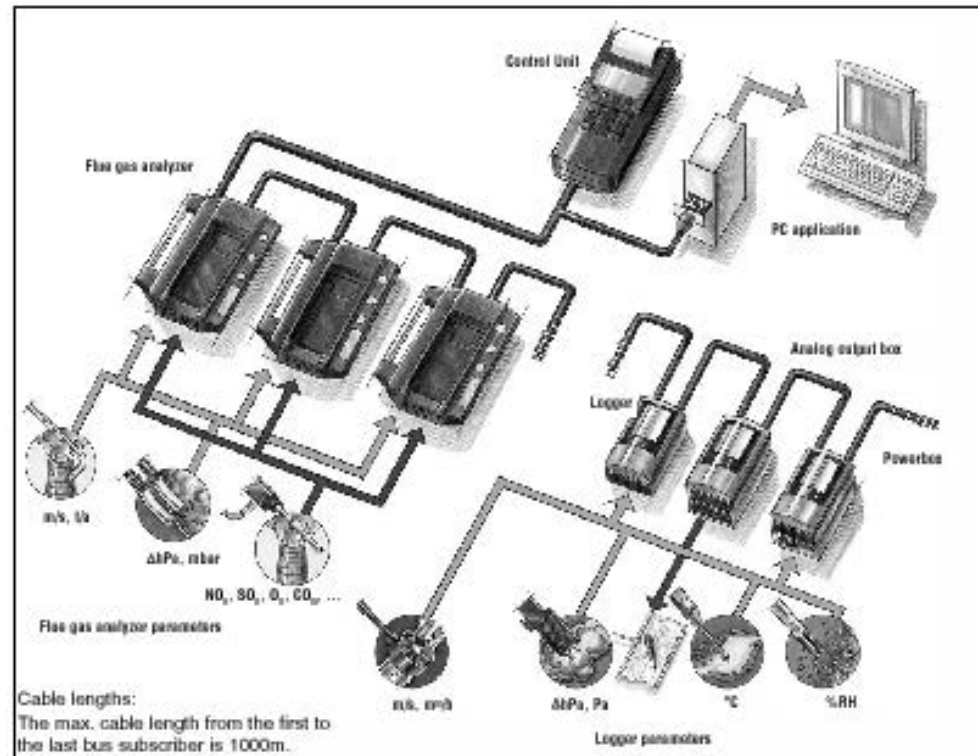
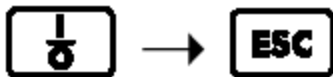
Connect Analyzer – PC

Connection via serial interface

- The measuring instrument switches to the Slave Mode while data is being exchanged, the control buttons in the measuring instrument are blocked in this mode. If data is not being exchanged, the Slave Mode is stopped and the measuring instrument can be controlled normally via control buttons.
- If the connection is interrupted without stopping the software, testo 350 remains in Slave Mode.

- Do the following to deactivate

- Slave Mode:



Connect analyzer
to easyEmission

A white outline arrow pointing to the right, containing the word "Start" in white text.

Start

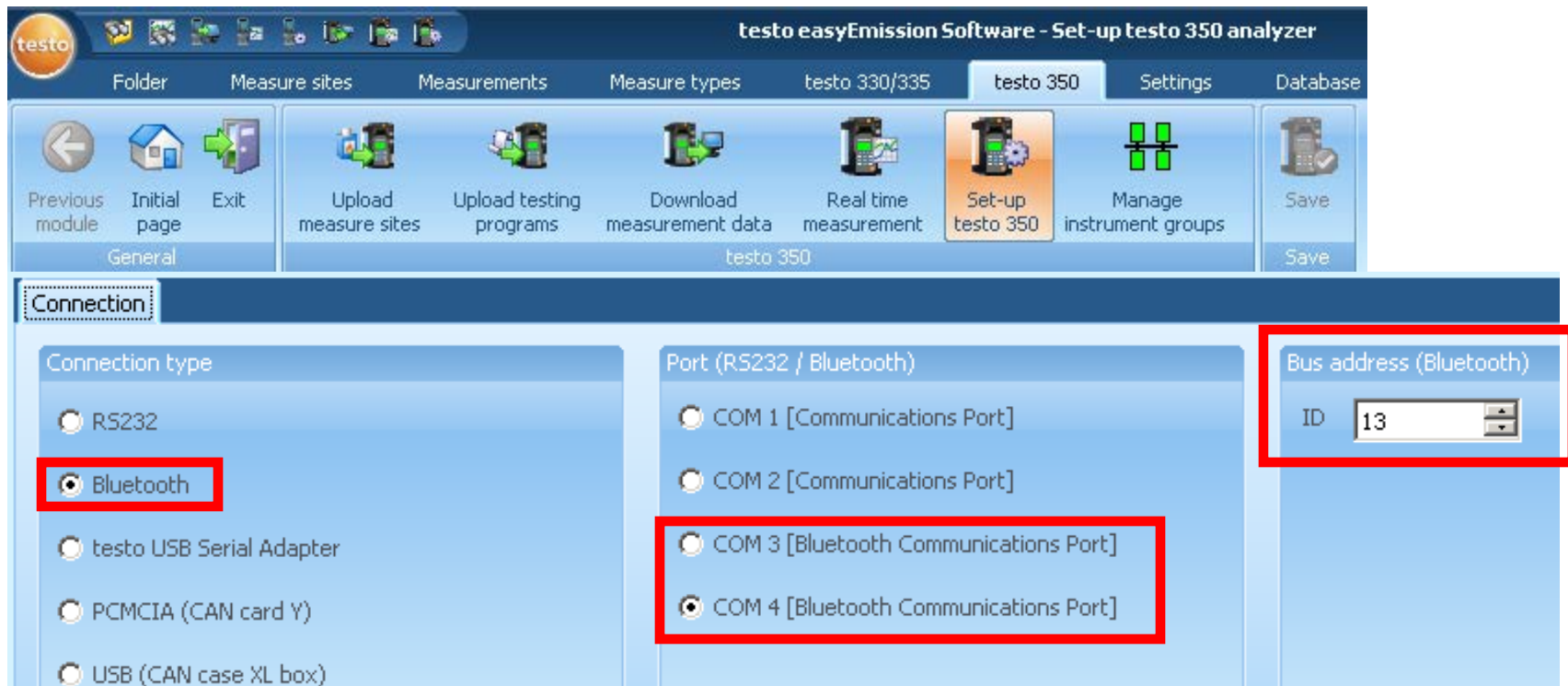
Bluetooth connection



testo Bluetooth connection



- Plug in the analyzerbox **without** Control Unit
- Use your specific *Bluetooth*[®] 2.0 program on your computer and search / connect the testo 350-S/-XL analyzer with your computer → add the analyzer as a new device → the Bluetooth Security Code is **1234** (default) → pair the analyzer
- Check which “virtual” serial comport is used for the analyzer-Bluetooth connection
- Start easyEmission → Connect the analyzer with easyEmission



testo easyEmission Software - Set-up testo 350 analyzer

Folder Measure sites Measurements Measure types testo 330/335 **testo 350** Settings Database

Previous module Initial page Exit Upload measure sites Upload testing programs Download measurement data Real time measurement **Set-up testo 350** Manage instrument groups Save Save

General testo 350

Connection

Connection type

- RS232
- Bluetooth**
- testo USB Serial Adapter
- PCMCIA (CAN card Y)
- USB (CAN case XL box)

Port (RS232 / Bluetooth)

- COM 1 [Communications Port]
- COM 2 [Communications Port]
- COM 3 [Bluetooth Communications Port]**
- COM 4 [Bluetooth Communications Port]**

Bus address (Bluetooth)

ID

testo Bluetooth connection



Connection limits

- The data transfer technology is only Bluetooth® 2.0 or higher
- Operating distance (free field) max. 320 ft
- Interference sources can impact the connection, e.g. high voltage sources, microwaves, cordless phones, electrical radio devices ...

Connect analyzer
with easyEmission



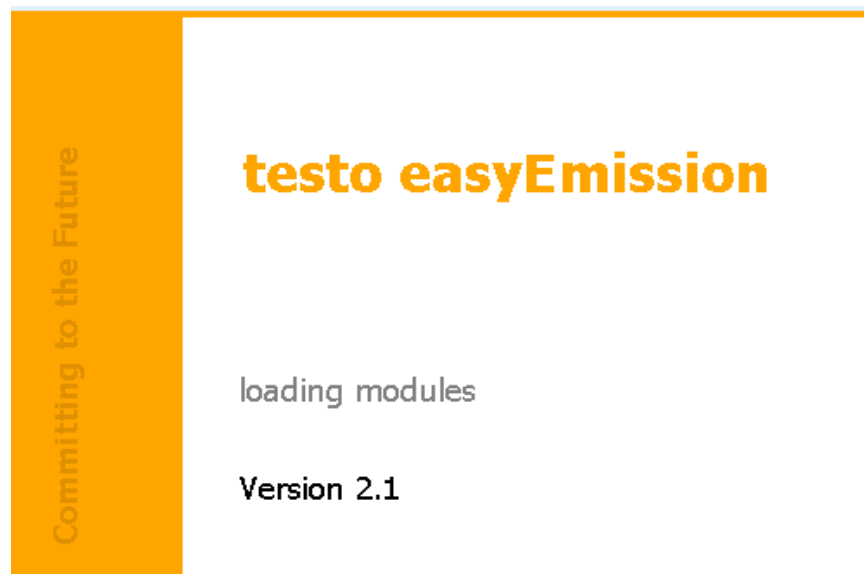
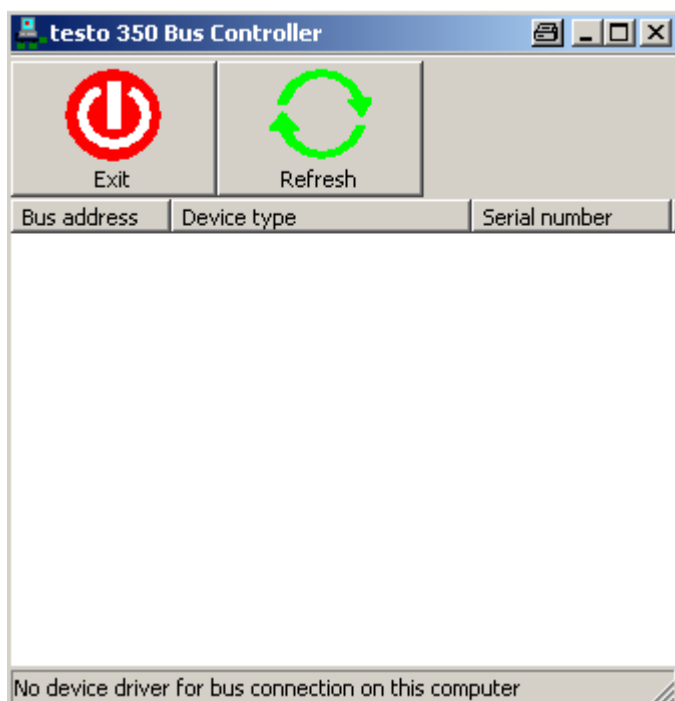
testo data bus

Software easyEmission - Connection

Connection via USB data bus controller

- USB connection is set up directly to the flue gas analysers via the data bus controller. No Control Unit has to be connected to the measurement system!
- The USB data bus controller is a High Power instrument, an additional USB Hub maybe required
- Connecting the flue gas analyser to the data bus controller: Connect the instrument plug of the cable to the DATA socket of the testo 350 analyser box and connect the serial connection plug of the cable to the Channel 1 socket in data bus controller.
- Connect the USB data bus controller to PC: Connect the USB plug (Type B) of the cable to the USB socket in data bus controller, connect the other USB plug (Type A) to a USB socket of the PC.
- Connect the power plug with the analyser box
- Start first the Program testo 350 CAN Controller and then easyEmission

Software easyEmission - Connection



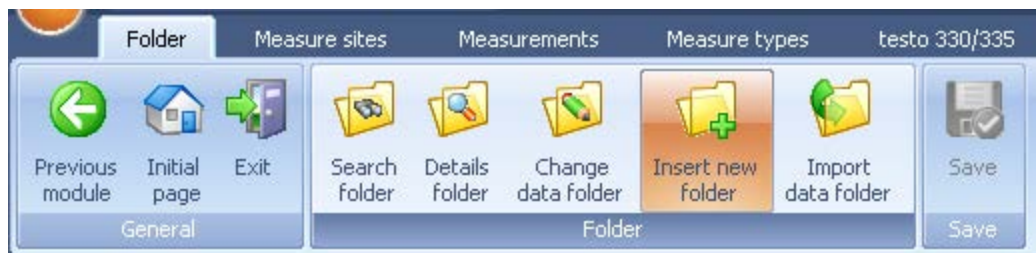
- Start first the program testo 350 CAN Controller (connection between CANCase and Computer) and then easyEmission

Create new folders and new locations

Start

Folder			Measure sites	Measurements	Measure types	testo 330/335		
Previous module	Initial page	Exit	Search folder	Details folder	Change data folder	Insert new folder	Import data folder	Save
General			Folder					Save

Create new folders / new locations



Folder data

Folder *

Contact person

Street

City / ZIP code

P.O.Box

P.O.Box city / ZIP

Phone

2nd Phone

Mobile

Fax

Email

Remark

- Insert Folder name TEST and



- Insert a site name to specify a measurement site

Address

Folder TEST

Change Delete Search

List of sites

Site name	Street	City	ZIP code	

Show Change Delete New

Create new folders / new locations

Site	Installation	Flow data
Site name	<input type="text" value="Site One"/>	
same as folder	<input checked="" type="checkbox"/>	

- Insert a site with the name Site One and



- Use the flag folder and double-click on it ...

... to see the site name "Site One" in this folder

Folder | Measure sites | Measurements | Measure types | test

[Previous module](#)
[Initial page](#)
[Exit](#)

[Search folder](#)
[Details folder](#)
[Change data folder](#)
[Insert new folder](#)
[Import data folder](#)

List of folders

Folder	Title	First name
<input type="checkbox"/>	<input type="text" value="A"/>	<input type="text" value="A"/>
<input type="checkbox"/>	Michael	
<input type="checkbox"/>	Noname	
<input checked="" type="checkbox"/>	TEST	

Address

Folder TEST

[Change](#)
[Delete](#)
[Search](#)

List of sites

Site name	Street	City	ZIP code
Site One			

[Show](#)
[Change](#)
[Delete](#)
[New](#)



Start

Get your measurements from the analyzer to the computer

Measure sites

Measurements

Measure types

testo 330/335

testo 350

Settings



Upload
measure sites



Upload testing
programs



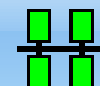
Download
measurement data



Real time
measurement



Set-up
testo 350



Manage
instrument groups

testo 350

Get your measurements from the analyzer to the computer



- Download measurement data
- Shows you measurements which are only in the analyzer.

Reading measurement information from analyzer



Measurements in analyzer

Measure type:

Selected	Bus address	Site (analyzer)	Folder (PC)	Site (PC)	Start time	Type	Status reading
<input type="checkbox"/>	10	Demo 1	-	-	4/4/2007 2:32:31 PM	Flue gas test	not yet downloaded
<input type="checkbox"/>	10	COLGATE	-	-	2/22/2008 1:45:35...	Flue gas test	not yet downloaded

Measurements in the analyzer
Status: Not yet downloaded

Get your measurements from the analyzer to the computer

Measurements in analyzer

Measure type: Online measurement

Selected	Bus address	Site (analyzer)	Folder (PC)	Site (PC)	Start time	Type	Status reading
<input checked="" type="checkbox"/>	10	Demo 1	-	-	4/4/2007 2:32:31 PM	Flue gas test	not yet downloaded
<input type="checkbox"/>	10	COLGATE	-	-	2/22/2008 1:45:35...	Flue gas test	not yet downloaded

Download selected data from the analyzer

- Download -> the data will be saved under the same folders like in the analyzer

There are measurements on the analyzer at sites which are not available on the PC. Automatically generate these sites ?

- Download as > Choose an existing folder / site in easyEmission to save your data in the marked folder

Save selected measurements under the site ...

Folder	Site name	Street	City	ZIP Code
Michael	Desk			
Noname	Noname			
TEST	Site One			

Get your measurements from the analyzer to the computer

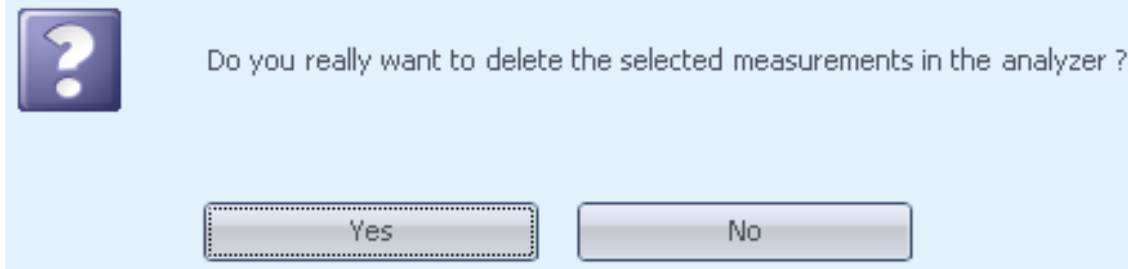
- After “Download as” -> the data is saved under existing folders in easyEmission

Measurements in analyzer

Selected	Folder (analyzer)	Site (analyzer)	Folder (PC)	Site (PC)	Start time	Type	Status reading
<input type="checkbox"/>	Folder	DESK	Michael	Desk	11/7/2008 8:57:06...	Flue gas test	OK

Select all Select none Download Download as ... View Delete





- After “Download as” -> the data is saved under existing folders in easyEmission
- You can now delete the data from the analyser



Real time measurement



Start

Measure sites	Measurements	Measure types	testo 330/335	testo 350
 Upload measure sites	 Upload testing programs	 Download measurement data	 Real time measurement	 Set-up testo 330/335
testo 330/335			Real time measurement	

Real time measurement

testo 330 analyzer connected but power off. Please switch on analyzer.

USB

IrDA

- If needed choose out connection
- **Start** measurement

Measure type:
 Measurement cycle: Seconds

Instrument group:
 manual

Measure values | Display | Chart | Display order | Analyzer control

Date / time	

Real time measurement

- Instrument is zeroing first
- Measurement starts
- Readings in a 1 second cycle
→ you can change the cycle while measuring ... test it!
- **Stop** measurement

Date / time	% O2	ppm CO	ppm NO	ppm NOx	%F Tamb	% CO2	% EFF	% ExAir
11/6/2008 3:55:49 PM	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:50 PM	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:51 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:52 PM	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:53 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:54 PM	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:55 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:56 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:57 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:58 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:59 PM	21.01	0	1	1	-	-	-	-
11/6/2008 3:56:17 PM	21.00	0	0	0	-	-	-	-



Start

Analyze your measurements

Folder

Measure sites

Measurements

Measure types



Previous
module



Initial
page



Exit

General



Search
measurement



Display
measurement data

Measurements

Analyze your measurements



- Use the “measurement flag” with the “Search measurement” function
- Double click on “Noname” folder

Folder	Site name	Start measurement	Type
[A]	[A]	=	[A]
Michael	Desk	11/6/2008 10:49:09 AM	Online measurement
Michael	Desk	11/6/2008 11:26:45 AM	10001
Michael	Desk	11/6/2008 12:34:33 PM	EmissionCalcsRev4
▶ Noname	Noname	11/6/2008 3:55:31 PM	Online measurement

Analyze your measurements

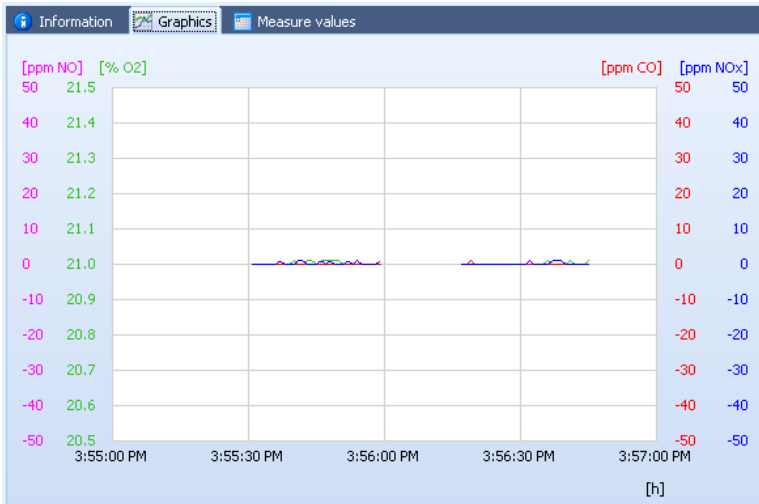


Information Graphics Measure values

Analyzer: testo 335
 Serial number: 01235313
 Start of measurement: 11/6/2008 3:55:31 PM
 End of measurement: 11/6/2008 3:56:45 PM
 Duration (hh:mm:ss): 00:01:14
 Number of readings: 58

Remark

- Get information about the measurement and the used analyzer
- Show the readings in a graph
- Show the readings in a table

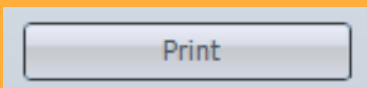


Information Graphics Measure values

Date / time	% O2	ppm...	ppm...	ppm...	% Ta...	% CO2	% EFF	% Ex...
11/6/2008 3:55:31 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:32 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:33 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:34 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:35 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:36 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:37 ...	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:38 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:39 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:40 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:41 ...	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:42 ...	21.00	0	1	1	-	-	-	-
11/6/2008 3:55:43 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:44 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:45 ...	21.00	0	0	0	-	-	-	-
11/6/2008 3:55:46 ...	21.01	0	1	1	-	-	-	-
11/6/2008 3:55:47 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:48 ...	21.01	0	1	1	-	-	-	-
11/6/2008 3:55:49 ...	21.01	0	0	0	-	-	-	-
11/6/2008 3:55:50 ...	21.01	0	0	0	-	-	-	-

Print Preview Save as PDF Export Excel

Print out measurement data



CUSTOMER		LOCATION		
SITE INFORMATION				
Customer	123456789	Address	123456789	
City	123456789	Country	123456789	
Postal code	123456789	Phone	123456789	
Vehicle	123456789	Year	123456789	
Make	123456789	Model	123456789	
Color	123456789	Engine	123456789	
Capacity	123456789	Power	123456789	
CO ₂ (g/kWh)	123456789	CO ₂ (g/kWh)	123456789	
CO (g/kWh)	123456789	CO (g/kWh)	123456789	
HC (g/kWh)	123456789	HC (g/kWh)	123456789	
NOx (g/kWh)	123456789	NOx (g/kWh)	123456789	
PM (g/kWh)	123456789	PM (g/kWh)	123456789	
EMMISSION TEST RESULTS				
Parameter	0.1	0.2	0.3	Average
CO ₂ (g/kWh)	123456789	123456789	123456789	123456789
CO (g/kWh)	123456789	123456789	123456789	123456789
HC (g/kWh)	123456789	123456789	123456789	123456789
NOx (g/kWh)	123456789	123456789	123456789	123456789
PM (g/kWh)	123456789	123456789	123456789	123456789
CO ₂ (g/kWh)	123456789	123456789	123456789	123456789
CO (g/kWh)	123456789	123456789	123456789	123456789
HC (g/kWh)	123456789	123456789	123456789	123456789
NOx (g/kWh)	123456789	123456789	123456789	123456789
PM (g/kWh)	123456789	123456789	123456789	123456789

Print out measurement data

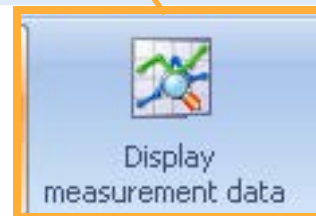
- Open measurement data

The screenshot shows the 'Measurements' tab in the software interface. The menu bar includes 'Folder', 'Measure sites', 'Measurements', 'Measure types', 'testo 330/335', 'testo 350', 'Settings', and 'Database'. The 'Measurements' menu is open, showing options: 'Search measurement', 'Display measurement data', 'Delete', 'Change site', 'Connect', 'Export', and 'Import'. The 'Display measurement data' button is highlighted with an orange box. Below the menu is a table with columns: 'Folder', 'Site name', 'Start measurement', and 'Type'. The table contains several rows of measurement data, with the last row selected and highlighted in blue. An orange arrow points from the 'Display measurement data' button to the selected row. Another orange arrow points from the selected row to the text below.

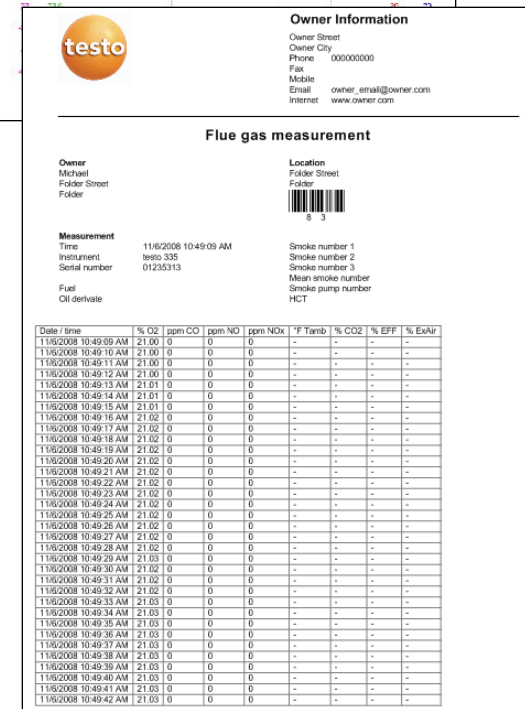
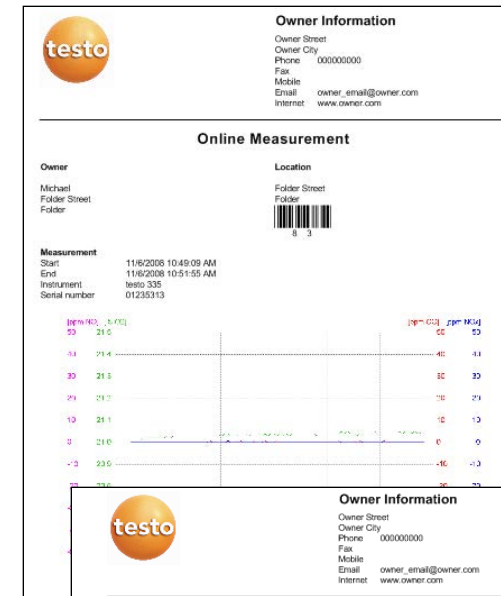
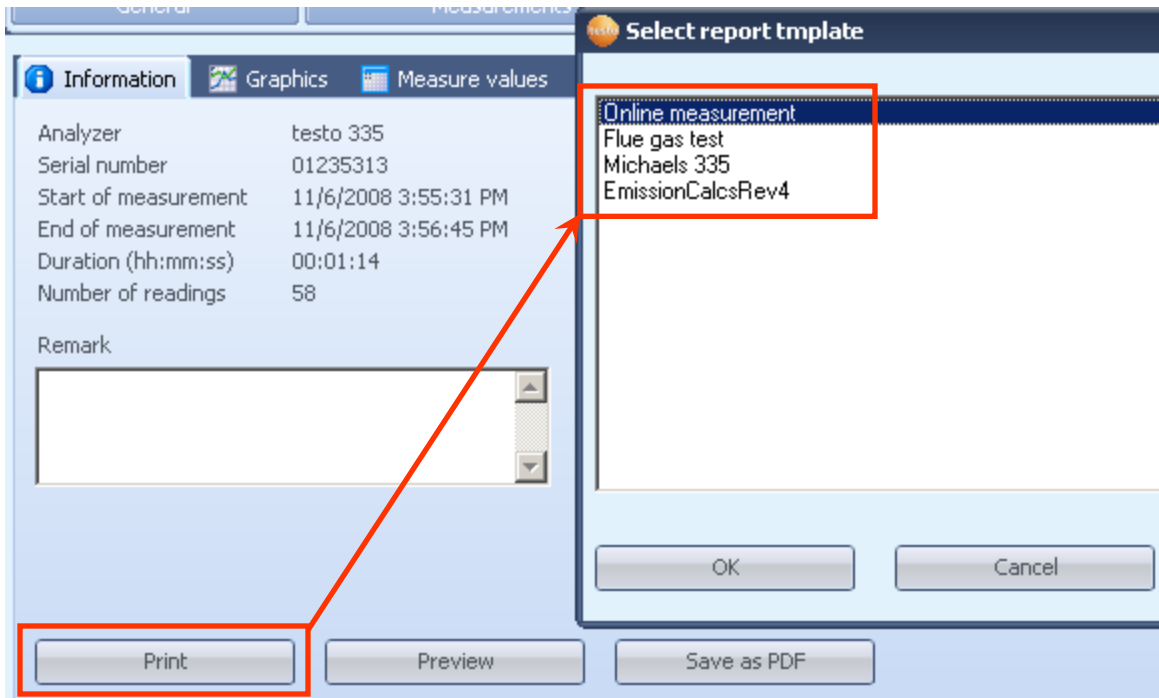
Folder	Site name	Start measurement	Type
[A]	[A]	=	[A]
Michael	Desk	11/6/2008 10:49:09 AM	Online measurement
Michael	Desk	11/6/2008 11:26:45 AM	10001
Michael	Desk	11/6/2008 12:34:33 PM	EmissionCalcsRev4
▶ Noname	Noname	11/6/2008 3:55:31 PM	Online measurement

Double click

... or mark the measurement and use the button



Printout measurement data

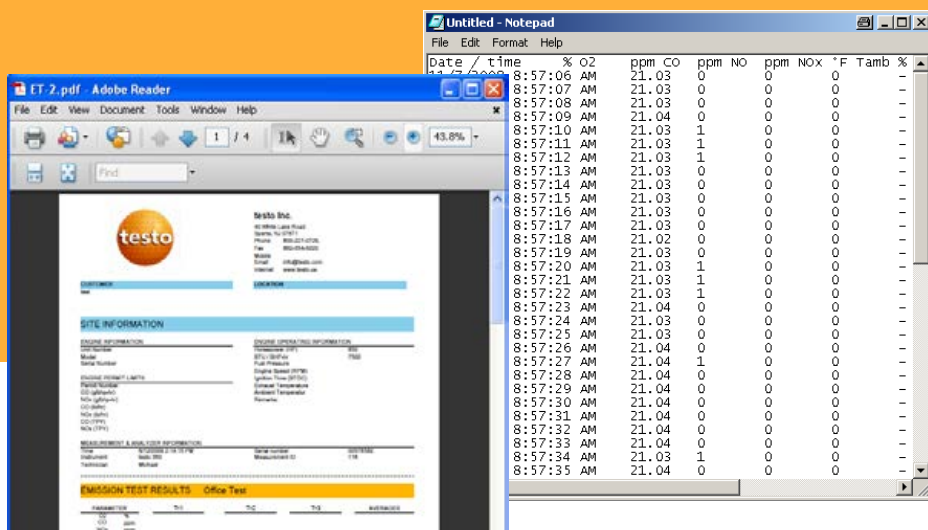


- Print
- Choose out one of the given report-templates e.g. “Online measurement” or “Flue gas measurement” both are default reports in easyEmission
- Use your specific printer to print out the measurements

Export measurement data from easyEmission "Copy - Paste" / pdf



Start



The screenshot shows two overlapping windows. On the left is Adobe Reader displaying a PDF document titled 'ET_2.pdf'. The PDF content includes the testo logo, company information for 'testo Inc.', and a table of 'EMMISSION TEST RESULTS'. On the right is a Notepad window titled 'Untitled - Notepad' containing a table of measurement data with columns for Date, time, % O2, ppm CO, ppm NO, ppm NOx, °F, and Tamb %.

Date	time	% O2	ppm CO	ppm NO	ppm NOx	°F	Tamb %
8:57:05	AM	21.03	0	0	0	0	-
8:57:07	AM	21.03	0	0	0	0	-
8:57:08	AM	21.03	0	0	0	0	-
8:57:09	AM	21.04	0	0	0	0	-
8:57:10	AM	21.03	1	0	0	0	-
8:57:11	AM	21.03	1	0	0	0	-
8:57:12	AM	21.03	1	0	0	0	-
8:57:13	AM	21.03	0	0	0	0	-
8:57:14	AM	21.03	0	0	0	0	-
8:57:15	AM	21.03	0	0	0	0	-
8:57:16	AM	21.03	0	0	0	0	-
8:57:17	AM	21.03	0	0	0	0	-
8:57:18	AM	21.02	0	0	0	0	-
8:57:19	AM	21.03	0	0	0	0	-
8:57:20	AM	21.03	1	0	0	0	-
8:57:21	AM	21.03	1	0	0	0	-
8:57:22	AM	21.03	1	0	0	0	-
8:57:23	AM	21.04	0	0	0	0	-
8:57:24	AM	21.03	0	0	0	0	-
8:57:25	AM	21.03	0	0	0	0	-
8:57:26	AM	21.04	0	0	0	0	-
8:57:27	AM	21.04	1	0	0	0	-
8:57:28	AM	21.04	0	0	0	0	-
8:57:29	AM	21.04	0	0	0	0	-
8:57:30	AM	21.04	0	0	0	0	-
8:57:31	AM	21.04	0	0	0	0	-
8:57:32	AM	21.04	0	0	0	0	-
8:57:33	AM	21.04	0	0	0	0	-
8:57:34	AM	21.03	1	0	0	0	-
8:57:35	AM	21.04	0	0	0	0	-

Export measurement data

The screenshot shows the 'Measurements' tab in the software. The main window displays a table of measurement data with columns for Date / time, % O2, ppm..., ppm..., ppm..., °F Ta..., % CO2, % EFF, and % Ex... The data rows show measurements from 11/7/2008 8:57:06 to 8:57:10. Below the table is a 'Mean value (total)' row. At the bottom of the main window are buttons for 'Print', 'Preview', 'Save as PDF', and 'Export Excel'. A 'Select report tplmate' dialog box is open in the foreground, showing a list of report templates: 'Online measurement', 'Flue gas test', 'Michaels 335', and 'EmissionCalcsRev4'. The 'Flue gas test' option is selected. The dialog has 'OK' and 'Cancel' buttons at the bottom.

Date / time	% O2	ppm...	ppm...	ppm...	°F Ta...	% CO2	% EFF	% Ex...
11/7/2008 8:57:06 ...	21.03	0	0	0	-	-	-	-
11/7/2008 8:57:07 ...	21.03	0	0	0	-	-	-	-
11/7/2008 8:57:08 ...	21.03	0	0	0	-	-	-	-
11/7/2008 8:57:09 ...	21.04	0	0	0	-	-	-	-
11/7/2008 8:57:10 ...	21.03	1	0	0	-	-	-	-
Function	% O2	ppm...	ppm...	ppm...	°F Ta...	% CO2	% EFF	% Ex...
Mean value (total)	21.04	0	0	0	-	-	-	-

- Print out -> Print out your data with the given reports (use the Preview function to see how it looks like)
- Save as PDF -> Choose out a report and save your data in a not-changeable document

Export measurement data



- Save your measurements as an MS Excel-file

The readings have been copied to the clipboard

OK

Save As

Save in: Template

File name: []

Save as type: Excel file (*.xls)

Save Cancel

Date / time	% O2	ppm CO	ppm NO	ppm NOx	°F Tamb	% CO2
11/7/2008 8:57:06 AM	21.03	0	0	0	-	-
11/7/2008 8:57:07 AM	21.03	0	0	0	-	-
11/7/2008 8:57:08 AM	21.03	0	0	0	-	-
11/7/2008 8:57:09 AM	21.04	0	0	0	-	-
11/7/2008 8:57:10 AM	21.03	1	0	0	-	-
11/7/2008 8:57:11 AM	21.03	1	0	0	-	-
11/7/2008 8:57:12 AM	21.03	1	0	0	-	-
11/7/2008 8:57:13 AM	21.03	0	0	0	-	-
11/7/2008 8:57:14 AM	21.03	0	0	0	-	-
11/7/2008 8:57:15 AM	21.03	0	0	0	-	-
11/7/2008 8:57:16 AM	21.03	0	0	0	-	-
11/7/2008 8:57:17 AM	21.03	0	0	0	-	-
11/7/2008 8:57:18 AM	21.02	0	0	0	-	-
11/7/2008 8:57:19 AM	21.03	0	0	0	-	-
11/7/2008 8:57:20 AM	21.03	1	0	0	-	-
11/7/2008 8:57:21 AM	21.03	1	0	0	-	-
11/7/2008 8:57:22 AM	21.03	1	0	0	-	-
11/7/2008 8:57:23 AM	21.04	0	0	0	-	-
11/7/2008 8:57:24 AM	21.03	0	0	0	-	-
11/7/2008 8:57:25 AM	21.03	0	0	0	-	-
11/7/2008 8:57:26 AM	21.04	0	0	0	-	-
11/7/2008 8:57:27 AM	21.04	1	0	0	-	-
11/7/2008 8:57:28 AM	21.04	0	0	0	-	-
11/7/2008 8:57:29 AM	21.04	0	0	0	-	-
11/7/2008 8:57:30 AM	21.04	0	0	0	-	-
11/7/2008 8:57:31 AM	21.04	0	0	0	-	-
11/7/2008 8:57:32 AM	21.04	0	0	0	-	-
11/7/2008 8:57:33 AM	21.04	0	0	0	-	-
11/7/2008 8:57:34 AM	21.03	1	0	0	-	-
11/7/2008 8:57:35 AM	21.04	0	0	0	-	-

Untitled - Notepad

Date / time	% O2	ppm CO	ppm NO	ppm NOx	°F Tamb	% CO2
11/7/2008 8:57:06 AM	21.03	0	0	0	-	-
11/7/2008 8:57:07 AM	21.03	0	0	0	-	-
11/7/2008 8:57:08 AM	21.03	0	0	0	-	-
11/7/2008 8:57:09 AM	21.04	0	0	0	-	-
11/7/2008 8:57:10 AM	21.03	1	0	0	-	-
11/7/2008 8:57:11 AM	21.03	1	0	0	-	-
11/7/2008 8:57:12 AM	21.03	1	0	0	-	-
11/7/2008 8:57:13 AM	21.03	0	0	0	-	-
11/7/2008 8:57:14 AM	21.03	0	0	0	-	-
11/7/2008 8:57:15 AM	21.03	0	0	0	-	-
11/7/2008 8:57:16 AM	21.03	0	0	0	-	-
11/7/2008 8:57:17 AM	21.03	0	0	0	-	-
11/7/2008 8:57:18 AM	21.02	0	0	0	-	-
11/7/2008 8:57:19 AM	21.03	0	0	0	-	-
11/7/2008 8:57:20 AM	21.03	1	0	0	-	-
11/7/2008 8:57:21 AM	21.03	1	0	0	-	-
11/7/2008 8:57:22 AM	21.03	1	0	0	-	-
11/7/2008 8:57:23 AM	21.04	0	0	0	-	-
11/7/2008 8:57:24 AM	21.03	0	0	0	-	-
11/7/2008 8:57:25 AM	21.03	0	0	0	-	-
11/7/2008 8:57:26 AM	21.04	0	0	0	-	-
11/7/2008 8:57:27 AM	21.04	1	0	0	-	-
11/7/2008 8:57:28 AM	21.04	0	0	0	-	-
11/7/2008 8:57:29 AM	21.04	0	0	0	-	-
11/7/2008 8:57:30 AM	21.04	0	0	0	-	-
11/7/2008 8:57:31 AM	21.04	0	0	0	-	-
11/7/2008 8:57:32 AM	21.04	0	0	0	-	-
11/7/2008 8:57:33 AM	21.04	0	0	0	-	-
11/7/2008 8:57:34 AM	21.03	1	0	0	-	-
11/7/2008 8:57:35 AM	21.04	0	0	0	-	-

testo

testo Inc.

1000 Lakes Road
Wayne, NJ 07092
Phone: 800-227-0706
Fax: 908-264-0000
Web: www.testo.com
E-mail: info@testo.com

EMMISSION TEST RESULTS - Office Test

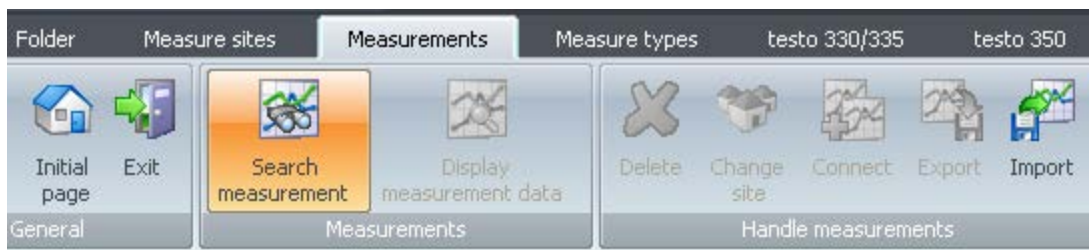
Export measurement easyEmission measurement files



Start



Export easyEmission measurement files

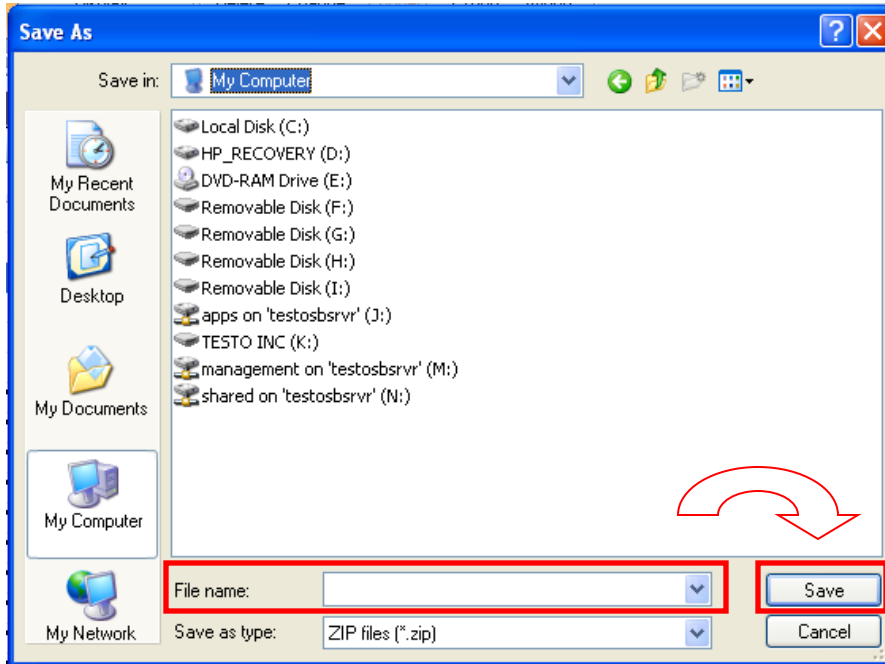


- Mark the desired measurement

Folder	Site name	Start measurement	End measurement	Type	Remark
test	test site	6/12/2009 2:35:12 PM	6/12/2009 2:35:27 PM	ET-X btu-bhphr 022509	
test	test site	6/12/2009 2:31:27 PM	6/12/2009 2:32:13 PM	ET-X btu-bhphr 02-20-09	
test	test site	6/12/2009 2:23:05 PM	6/12/2009 2:23:40 PM	ET-2	
test	test site	6/12/2009 2:14:15 PM	6/12/2009 2:14:46 PM	ET-2	
test	test site	6/12/2009 2:08:52 PM	6/12/2009 2:09:04 PM	ET-X btu-bhphr 02-20-09	

- Use the import / export function → it will create a zip-file with all the measurement information and the data

Export easyEmission measurement files



- Fill in a file-name and save it on your computer
- To use this files DON'T unzip it
- easyEmission can only work with the files in the .zip format

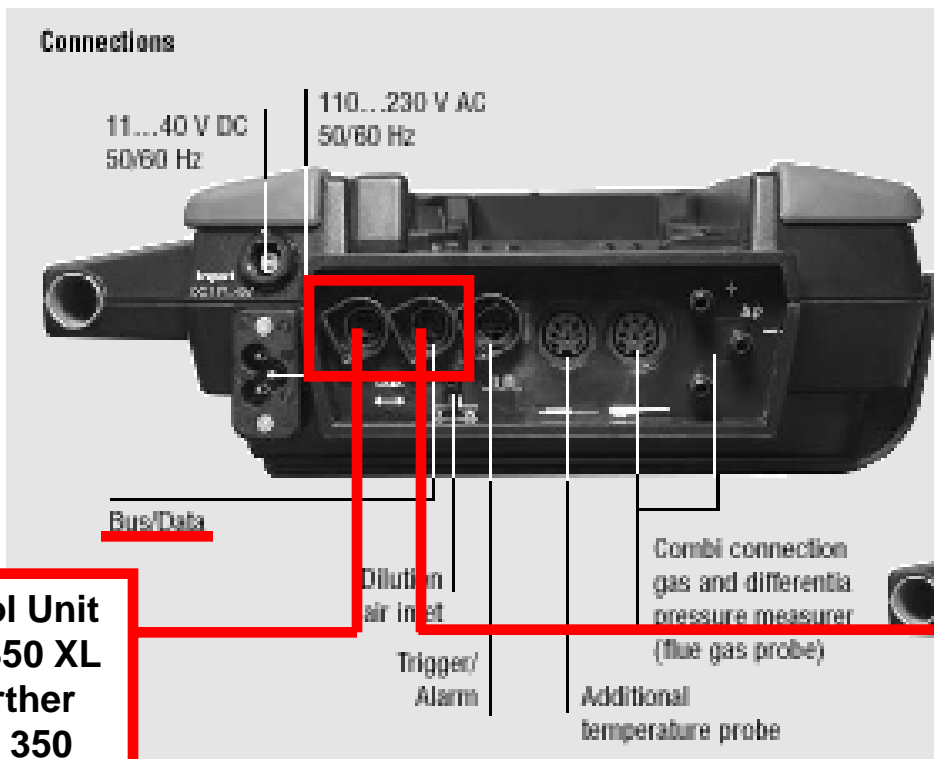
Using more than one analyzer

testo data bus

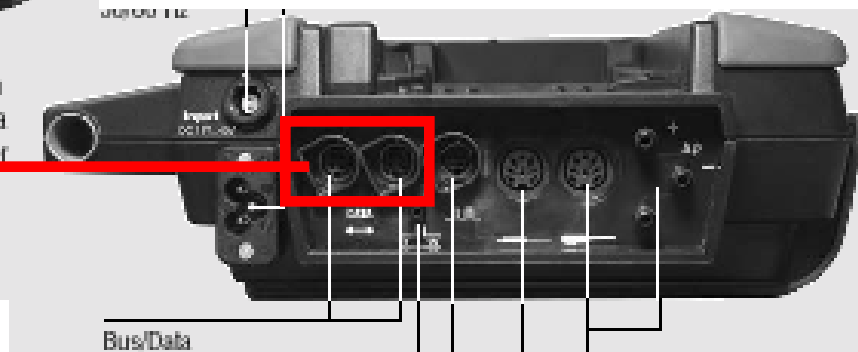


testo data bus connection

- Connect the instruments with the data bus cables



**Control Unit
testo 350 XL
or further
testo 350
analyzer**



testo data bus connection

- Connect the instruments with the data bus cables
- Ideally, connect the cables when the system is switched off.
- Ensure that the individual components have different bus addresses
If not : Click the Control Unit (CU) on the analyzer → Press OK for the menu → choose out the analyzer → Menu “Ops Info” → set the bus address

Connection limits

- Max. 50 m with power supply to the components through the databus
- Several hundred metres without power supply to the components through the databus (all analyzers in the system with own power supply)
- When routing the cables, ensure that they are not laid beside three-phase power or similar cables. This could impair the function

testo data bus connection – at a glance

- Please use Testo data bus cables only.
- When routing the cables, ensure that they are not laid beside three-phase power or similar cables. This could impair the function!
- Ideally, connect the cables when the system is switched off. So-called “Hot-Plugging” is possible, although it may be necessary to switch the entire system off and on depending on the combination.
- Ensure that the individual components have different bus addresses (BUS ID)
- The maximum cable length from the first to last bus subscriber is 3000 ft
- The data connection is linear in structure. The beginning of the line is the Control Unit. The terminal plug must be used for the loggers at the last instrument on the data bus. This ensures a defined electrical state.



Set up the data bus connection with easyEmission

testo 330/335 **testo 350** Settings

Real time measurement **Set-up testo 350** Manage instrument groups

- See all bus subscribers in the overview
- Change different settings e.g. change the device identifier for the subscribers in the system

50

Analyzers

Bus address	Device type	Serial number	Name
1	testo 350 Control Unit	00584981	ETA Associates
5	testo 350 S Analyzer	01347517	Testo t350 S
10	testo 350 XL Analyzer	00690904	DEMO UNIT #2

Password

Analyzer Diagnostics Display set-up Cutoff values Recalibration Sensor data

Bus address: 5
 Device type: testo 350 S Analyzer
 Serial number: 01347517
 Firmware version: 2.04
 Multiple measure programs?: yes
 Free memory: 98 %
 Testing program state: terminated

Start Stop Delete

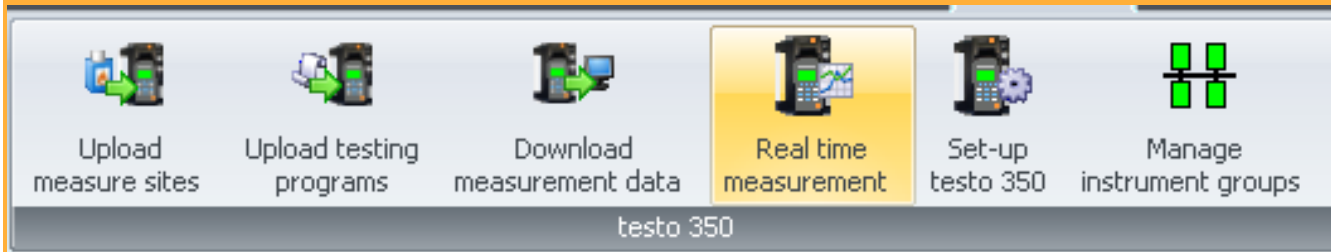
Device identifier:

Bus address:






Real time measurement with instrument groups



Start



testo 350

 Upload measure sites	 Upload testing programs	 Download measurement data	 Real time measurement	 Set-up testo 350	 Manage instrument groups
--	---	---	---	---	--

Real time measurement with instrument groups

- Set measure type
- Set instrument group
- Set measurement cycle
- **Start** measurement

Measure type:
 Measurement cycle: Seconds

Instrument group:
 manual

Measure values | Display | Chart | Display order | Analyzer control

ppm SO2 (5)	kg/h mNOx (5)	kg/h MCO2 (5)	% CO2i (5)	DilF (5)	min RTim (5)	Fuel (5)	% O2 (10)	ppm CO (10)	ppm NO (10)	ppm NO2 (10)	ppm H2 (10)	ppm NOx (10)
-	-	-	0.17	1	-	Test Gas	20.94	0	0	0.0	2	0
-	-	-	0.19	1	-	Test Gas	20.89	0	0	0.4	2	1

control

min RTim (5)	Fuel (5)	% O2 (10)	ppm CO (10)	ppm NO (10)
-	Test Gas	20.94	0	0
-	Test Gas	20.89	0	0

- See the readings, signed with the analyzer bus address e.g. % O2 (10) from analyzer with the bus address 10

Real time measurement with instrument groups

- If you don't want to see all readings set the instrument group e.g. only NOx readings

Start

Stop

Measure type

Online measurement ▼

Me

Start all sessions

Stop all sessions

Instrument group

NOx readings ▼

Measure values
Display
Chart
Display order
Analyzer control

Date / time	ppm NO (5)	ppm NO2 (5)	ppm NOx (5)	ppm NO (10)	ppm NO2 (10)	ppm NOx (10)
11/12/2008 12:06:13 PM	0	0.0	0	0	0.0	0
11/12/2008 12:06:18 PM	1	0.2	1	0	0.0	0
11/12/2008 12:06:23 PM	1	0.2	1	0	0.0	0
11/12/2008 12:06:28 PM	1	0.2	1	0	0.0	0

Save as ...

Export Excel

Clipboard

Real time measurement settings

[Measure values](#) | **Display** | [Chart](#) | [Display order](#) | [Analyzer control](#)

[Measure values](#) | **Display** | [Chart](#) | [Display order](#) | [Analyzer control](#)

0.0	20.94	0	1	1	0.2
------------	--------------	----------	----------	----------	------------

hPa (1)

4
ppm H2 (5)

-

Store Actu

[Measure values](#) | [Display](#) | [Chart](#) | **Display order** | [Analyzer control](#)

All channels

- hPa (1)
- % O2 (5)
- ppm CO (5)
- ppm NO (5)
- ppm SO2 (5)
- ppm NO2 (5)
- ppm H2 (5)
- ppm NOx (5)
- mbar Pabs (5)
- °F Tf (5)
- °F Ta (5)
- °F ΔT (5)
- °F T1 (5)
- °F T2 (5)
- % Eff (5)

Shown channels

- hPa (1)
- % O2 (5)
- ppm CO (5)

Alarm limit

Exceed lower limit

Exceed upper limit

Add ->

Add all ->

<- Delete

<- Delete All

[Measure values](#) | [Display](#) | [Chart](#) | [Display order](#) | **Analyzer control**

Selected	Bus address	Device type	Serial number
<input checked="" type="checkbox"/>	5	testo 350 S Analyzer	01347517
<input checked="" type="checkbox"/>	10	testo 350 XL Analyzer	00690904

Select all Select none

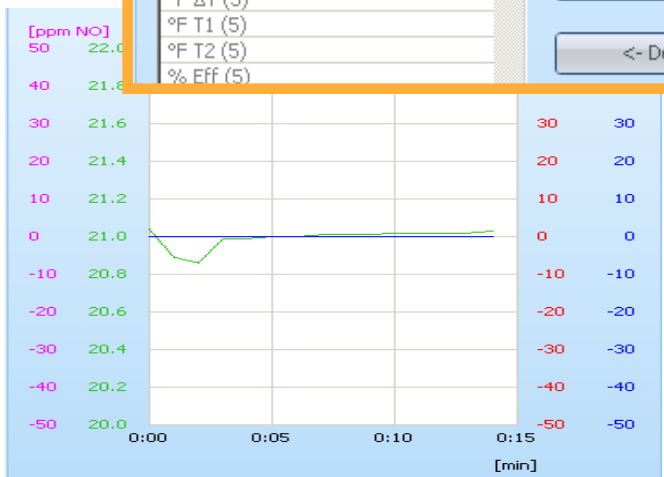
Flue gas measurement

Fresh air

Zeroing

Dilution 1

Difference pressure



Save real time readings

The screenshot shows the software interface with the following elements:

- Control Buttons:** A green 'Start' button and a red 'Stop' button are at the top left. Below them are 'Start all sessions' and 'Stop all sessions' buttons.
- Configuration:** 'Measure type' is set to 'Online measurement' and 'Instrument group' is set to 'All'.
- Navigation:** Tabs for 'Measure values', 'Display', 'Chart', 'Display order', and 'Analyzer control' are visible.
- Data Table:** A table with 9 columns: Date / time, % O2, ppm CO, ppm NO, ppm NOx, °F Tamb, % CO2, % EFF, and % ExAir. It contains three rows of data from 11/6/2008 3:56:21 PM to 3:56:23 PM.
- Export Options:** 'Save as ...', 'Export Excel', and 'Clipboard' buttons are at the bottom.

Date / time	% O2	ppm CO	ppm NO	ppm NOx	°F Tamb	% CO2	% EFF	% ExAir
11/6/2008 3:56:21 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:56:22 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:56:23 PM	21.00	0	0	0	-	-	-	-



Save real time readings

Start Stop Measure type Online measurement

Start all sessions Stop all sessions Instrument group All

Measure values Display Chart Display order Analyzer control

Date / time	% O2	ppm CO	ppm NO	ppm NOx	%F Tamb	% CO2	% EFF	% ExAir
11/6/2008 3:56:21 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:56:22 PM	21.00	0	0	0	-	-	-	-
11/6/2008 3:56:23 PM	21.00	0	0	0	-	-	-	-

Save as ... Export Excel Clipboard

“Copy” & Paste:
 Transfer all readings into the buffer memory and paste it into other programs.
 Click Clipboard -> past in the other program

● Save your readings in easyEmission

Save selected measurements under the site ...

Folder Site name

Search

Folder	Site name	Street	City
Michael	Desk		
Noname	Noname		

Save As

Save in: Template

History Desktop My Documents My Computer My Network P...

File name:

Save as type: Excel file (*.xls)



Start

Parallel Sessions

Use more than one window

sites	Measurements	Measure types	testo 330/335	testo 350	Settings	Database
 Upload measure sites	 Upload testing programs	 Download measurement data	 Real time measurement	 Set-up testo 350	 Manage instrument groups	
testo 350						

Use more than one window – Parallel sessions

- Use different session with different settings and save / store it in different measurements

Number parallel sessions

1 2 3

3 ▲ ▼

4 5 6

- Change the number of parallel sessions

Start Stop Measure type Online measurement Measurement cycle 1 Seconds

Start all sessions Stop all sessions Instrument group All manual

Measure values Display Chart Display order Analyzer control

Date / time

1 2 3

4 5 6

7 8 9

Start Stop Measure type Flue gas test Measurement cycle 5 Seconds

Start all sessions Stop all sessions Instrument group CO readings manual

Measure values Display Chart Display order Analyzer control

Date / time	ppm CO (5)	ppm CO (10)
11/12/2008 12:22:23 PM	0	0
11/12/2008 12:22:28 PM	0	0
11/12/2008 12:22:33 PM	0	0

Save as ... Export Excel Clipboard

Use more than one window – Parallel sessions

Start Stop Measure type Flue gas test Measurement cycle 5 Seconds

Start all sessions Stop all sessions Instrument group CO readings manual

Measure values Display Chart Display order Analyzer control

Date / time	ppm CO (5)	ppm CO (10)
11/12/2008 12:22:23 PM	0	0
11/12/2008 12:22:28 PM	0	0
11/12/2008 12:22:33 PM	0	0

Save as ... Export Excel Clipboard

- You can switch between the windows while the online-measurement
- Use different settings for the different windows (see red arrows)
- Use different session with different settings and save / store it in different measurements

The measure data of session 1 had not been saved. Save now ?

Yes

No



The measure data of session 2 had not been saved. Save now ?

Manage Instrument Groups

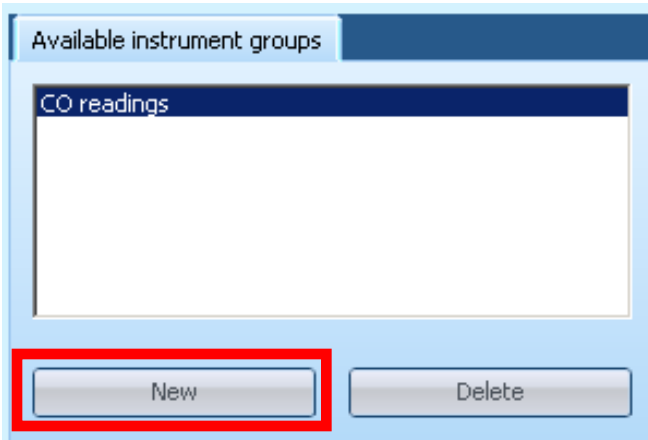


Start

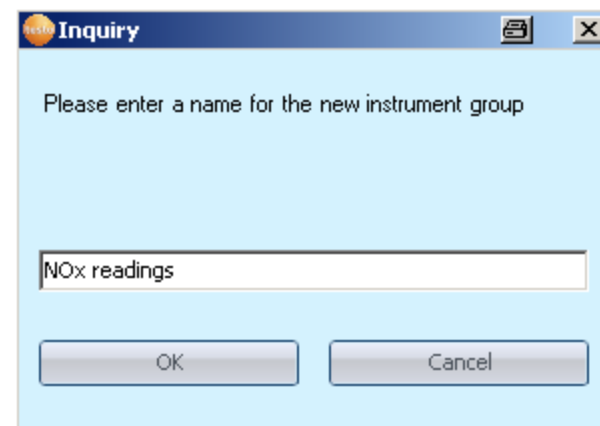
Measure types	testo 330/335	testo 350	Settings
 Download measurement data	 Real time measurement	 Set-up testo 350	 Manage instrument groups

Manage instrument groups easyEmission

- Several flue gas analysers can be pooled to form an instrument group for online measurements. Each instrument or individual measurement channels in the instrument can then be allocated to several instrument groups.



- Define a new instrument group e.g. NOx readings



Manage instrument groups easyEmission

- Activate measurement channels of all instruments or certain instruments or deactivate

Configure instrument group

All	ETA Associates (1)	Testo t350 S (5)	DEMO UNIT #2 (10)
<input checked="" type="checkbox"/> ppm CO		<input checked="" type="checkbox"/> ppm CO	<input checked="" type="checkbox"/> ppm CO
<input checked="" type="checkbox"/> ppm NO		<input checked="" type="checkbox"/> ppm NO	<input checked="" type="checkbox"/> ppm NO
<input checked="" type="checkbox"/> ppm SO2		<input checked="" type="checkbox"/> ppm SO2	
<input checked="" type="checkbox"/> ppm NO2		<input checked="" type="checkbox"/> ppm NO2	<input checked="" type="checkbox"/> ppm NO2
<input checked="" type="checkbox"/> ppm H2		<input checked="" type="checkbox"/> ppm H2	<input checked="" type="checkbox"/> ppm H2
<input checked="" type="checkbox"/> ppm NOx		<input checked="" type="checkbox"/> ppm NOx	<input checked="" type="checkbox"/> ppm NOx
<input checked="" type="checkbox"/> mbar Pabs		<input checked="" type="checkbox"/> mbar Pabs	
<input checked="" type="checkbox"/> °F Tf		<input checked="" type="checkbox"/> °F Tf	<input checked="" type="checkbox"/> °F Tf
<input checked="" type="checkbox"/> °F Ta		<input checked="" type="checkbox"/> °F Ta	<input checked="" type="checkbox"/> °F Ta
<input checked="" type="checkbox"/> °F ΔT		<input checked="" type="checkbox"/> °F ΔT	<input checked="" type="checkbox"/> °F ΔT
<input checked="" type="checkbox"/> °F T1		<input checked="" type="checkbox"/> °F T1	<input checked="" type="checkbox"/> °F T1
<input checked="" type="checkbox"/> °F T2		<input checked="" type="checkbox"/> °F T2	<input checked="" type="checkbox"/> °F T2
<input checked="" type="checkbox"/> % Eff		<input checked="" type="checkbox"/> % Eff	<input checked="" type="checkbox"/> % Eff

Save

Select all

Select none

			DEMO UNIT #2 (10)
<input type="checkbox"/> % O2		<input type="checkbox"/> % O2	<input type="checkbox"/> % O2
<input type="checkbox"/> ppm CO		<input type="checkbox"/> ppm CO	<input type="checkbox"/> ppm CO
<input checked="" type="checkbox"/> ppm NO		<input checked="" type="checkbox"/> ppm NO	<input checked="" type="checkbox"/> ppm NO
<input type="checkbox"/> ppm SO2		<input type="checkbox"/> ppm SO2	
<input checked="" type="checkbox"/> ppm NO2		<input checked="" type="checkbox"/> ppm NO2	<input checked="" type="checkbox"/> ppm NO2
<input type="checkbox"/> ppm H2		<input type="checkbox"/> ppm H2	<input type="checkbox"/> ppm H2
<input checked="" type="checkbox"/> ppm NOx		<input checked="" type="checkbox"/> ppm NOx	<input checked="" type="checkbox"/> ppm NOx



Start

Change instrument settings with the software

[Measure sites](#)[Measurements](#)[Measure types](#)[testo 330/335](#)[testo 350](#)[Settings](#)[Database](#)

Upload
measure sites



Upload testing
programs



Download
measurement data



Real time
measurement



Set-up
testo 350



Manage
instrument groups

testo 350

Change instrument settings by the software

[sites](#) | [Measurements](#) | [Measure types](#) | [testo 330/335](#) | [testo 350](#) | [Settings](#) | [Database](#)

Upload measure sites |
 Upload testing programs |
 Download measurement data |
 Real time measurement |
 Set-up testo 350 |
 Manage instrument groups

testo 350

Analyzers

Bus address	Device type	Serial number	Name
1	testo 350 Control Unit	00584981	ETA Associates
5	testo 350 S Analyzer	01347517	Testo t350 S
10	testo 350 XL Analyzer	00690904	DEMO UNIT #2

[Pressure settings](#) | [Diameter](#) | [Pitot tube](#) | [Dewpoint ambient](#) | [Password](#)

[Analyzer](#) | [Diagnostics](#) | [Display set-up](#) | [Cutoff values](#) | [Recalibration](#) | [Sensor data](#) | [NO2 Addition](#) | [Fuel](#) | [Smoke number / HCT](#)

- Pressure settings
- Diameter parameters (mass flow calculation)
- Pitot tube parameters
- Analyzer information (serial no., ...)
- Diagnostics
- Cut off values for the gas sensors
- Recalibration settings
- Sensor data (e.g. last adjustment date)
- NO2 addition (percentage)
- Fuel parameters / User specific fuels
- Display set up (values & units)

OVERVIEW

Functions related to the measurement type



Implement calculations

Define ranges measurement maximum and calculations

Measurement

Formula builder

Formula

Formula builder - Ranges of measure values

Company

Company Name
Company City
Phone

What are measurement types?

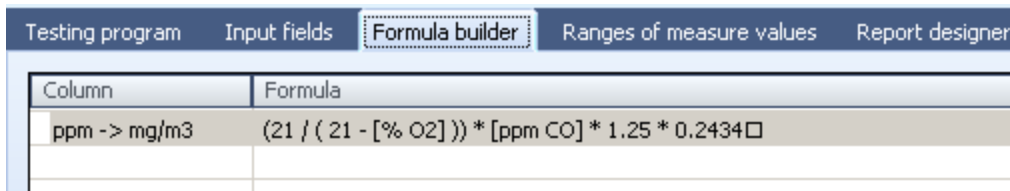
- Measure types serve to repeatedly carry out measurements in a predefined way. Measurement programs (logger programs), formulae to calculate additional values (formula editor) and the layout for printing measurement data (form designer) can be stored in a measure type.



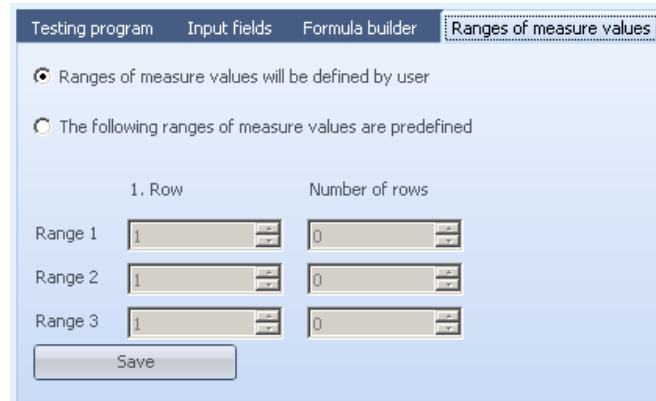
See on the next page a graphical overview of all functions related to the measurement type!



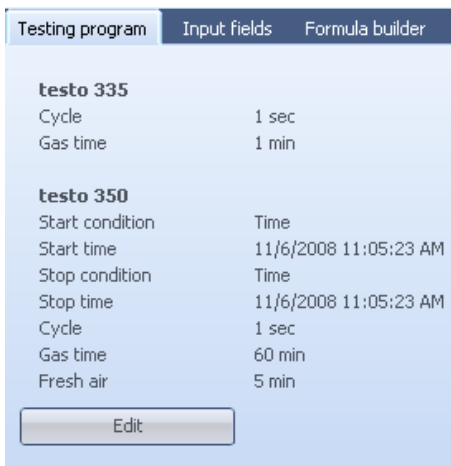
Functions related to the measurement type



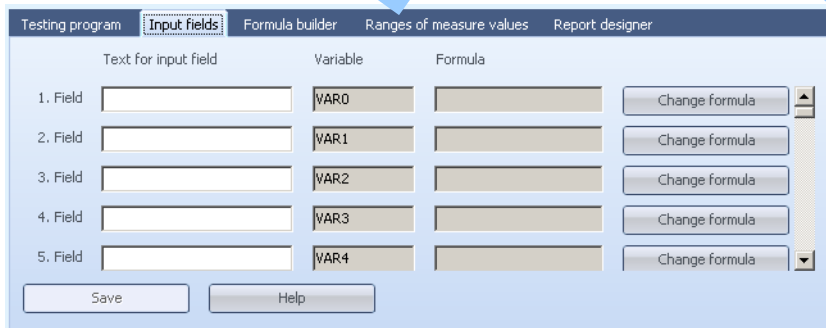
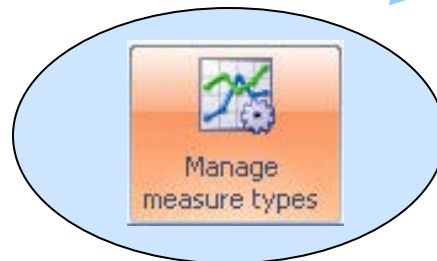
Implement calculations



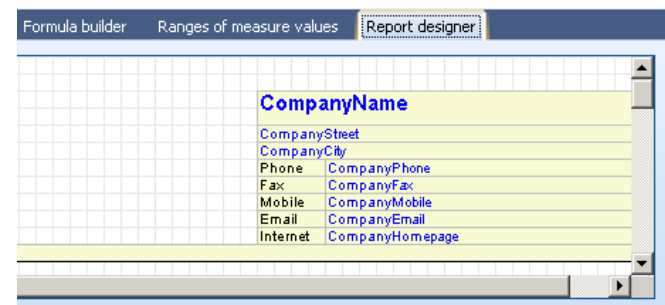
Define ranges in your measurement for minimum, maximum and average calculations



Define measurement programmes



Define user specific input-fields



Define specific reports for your printouts

Create your own report



testo Inc.
 40 White Lake Road
 Sparks, NV 89711
 Phone 800-227-0726
 Fax 863-354-9020
 Mobile
 Email info@testo.com
 Internet www.testo.us

CUSTOMER
Star

LOCATION

SITE INFORMATION

<p>ENGINE INFORMATION</p> <p>URI Number 321486*</p> <p>Mode / SN 799/91321321</p> <p>ENGINE PERMIT LIMITS</p> <p>Permit Number EPP-13264</p> <p>CO (g/bhp-hr) 0.8</p> <p>NOx (g/bhp-hr) 0.8</p> <p>CO (b/mv) 0.25</p> <p>NOx (b/mv) 0.35</p>	<p>ENGINE OPERATING INFORMATION</p> <p>Horsepower (LO3) (HP) 470</p> <p>Engine Speed (RPM) 1050</p> <p>Ignition Time (BTDC) 27</p> <p>Exhaust Temperature 810</p> <p>Catalytic Converter T deg F IN 809</p> <p>Catalytic Converter T deg F OUT 878</p> <p>Catalytic Converter T deg F DELTA 69</p> <p>Catalytic Converter P %c IN</p> <p>Catalytic Converter P %c OUT</p> <p>Catalytic Converter P %c DELTA</p> <p>Ambient Temperature 32</p> <p>Fuel Temperature 64</p> <p>Fuel BTU (Analysis)</p> <p>Fuel Flow (SCFH) 8500</p>
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MEASUREMENT & ANALYZER INFORMATION

Time 10/15/2007 3:54:33 PM

Instrument testo 350

Serial Number 20078564

Measurement ID 23

Technician Tom Tester

EMISSION TEST RESULTS

PARAMETER	T-1	T-2	T-3	AVERAGES
CO ppm	73	74	75	74
% CO	14.57	14.56	14.57	14.57
NOx ppm	20	21	23	21
AVERAGE g/bhp-hr				
CO	0.89	0.80	0.61	0.60
NOx	0.27	0.28	0.30	0.28
AVERAGE (TPY)				
CO	2.71	2.75	2.77	2.74
NOx	1.23	1.30	1.37	1.30
AVERAGE b/mv				
CO	0.61	0.62	0.63	0.62
NOx	0.28	0.29	0.31	0.29

Engine Tester _____ Measurement Date 10/15/2007 4:06:20

Create your own report

The screenshot shows the 'Measure types' management interface. At the top, there are navigation buttons: 'Previous module', 'Initial page', 'Exit', 'Manage measure types', 'Define testing program', 'Formula Builder', and 'Report design'. Below these is a table of measure types:

Description	System / user
EmissionCalcsRev4	User
Flue gas test	System
Michaels 335	User
Online measurement	System

Below the table are buttons for 'New', 'Delete', 'Export', and 'Import'. To the right of the table is an information box:

Measure types are used to make a measurement in a predefined manner. For this, you can define a testing program, additional computed values with the formula editor and the printout with the report designer.

The bottom part of the screenshot shows the 'Report designer' view. It features a grid with the 'testo' logo on the left and a list of fields on the right:

- CompanyName
- CompanyStreet
- CompanyCity
- Phone: CompanyPhone
- Fax: CompanyFax
- Mobile: CompanyMobile
- Email: CompanyEmail
- Internet: CompanyHomepage

Below the list, the text 'Online Measurement' is displayed. At the bottom left, an 'Edit' button is highlighted with a red box and an orange arrow pointing to it.

- To print out the measurement data, the measure types can be allocated to reports or user defined reports can be created.

Create your own report

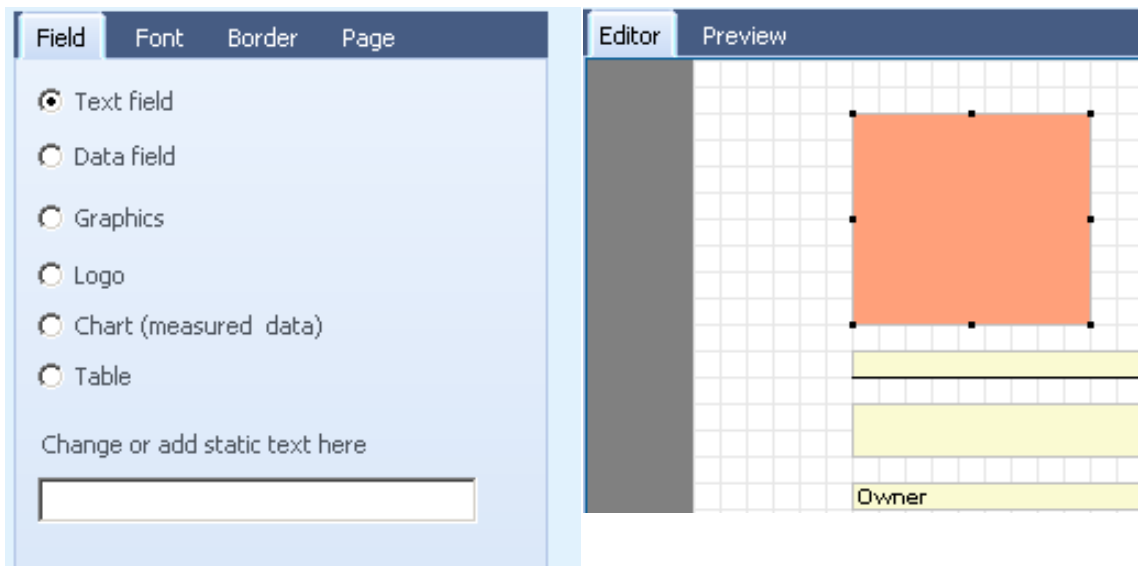
The screenshot shows the testo report editor interface. The top menu bar includes 'General', 'Measure types', and 'Save'. The 'Save' menu is open, showing options: 'Save', 'Backup as', 'Restore from', and 'Print'. The main editor area shows a report template with a 'testo' logo, a table of company information, and a highlighted 'Online Measurement' section.

CompanyCity	
Phone	CompanyPhone
Fax	CompanyFax
Mobile	CompanyMobile
Email	CompanyEmail
Internet	CompanyHomepage

- **Save** changes (the default reports cannot be changed, but they can be used as a base for new user-defined reports)
- **Save as ..** -> Save report with another name
- **Restore from** -> Restor saved templates (allocate to other reports)
- **Print** -> Print the report (no measured values!)

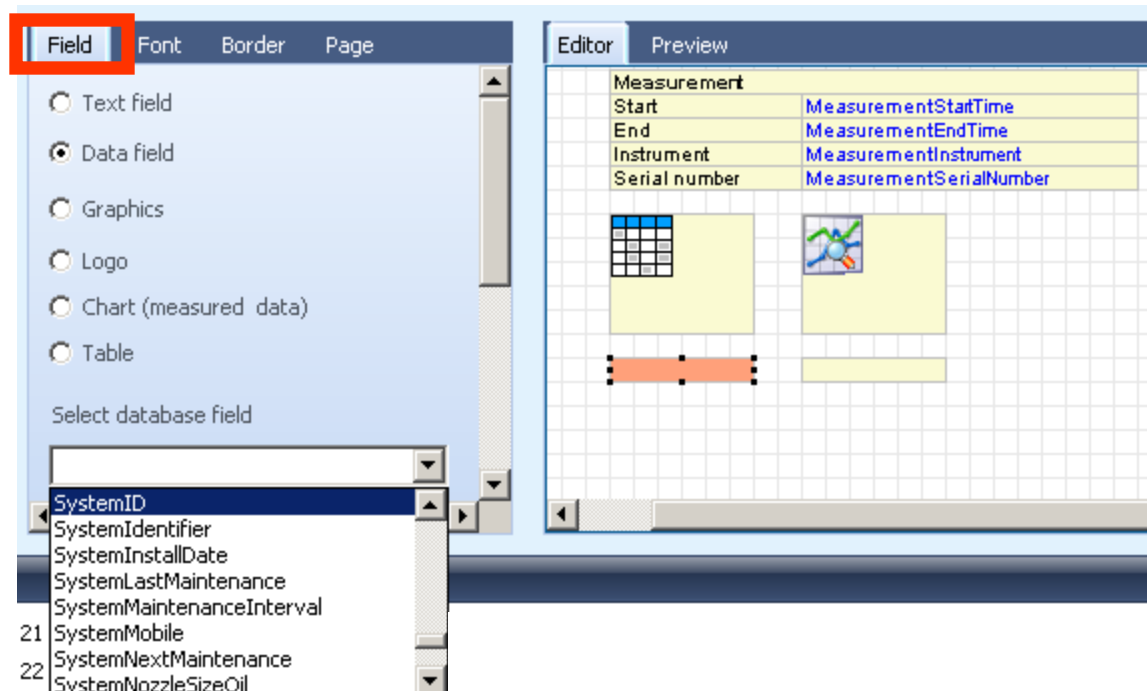
The screenshot shows the 'Restore template from ...' dialog box. It lists available saved reports: 'Flue gas measurement', 'Michaels CalcsRev4', and 'Online measurement'. The 'Flue gas measurement' option is selected.

Create your own report – Create new fields



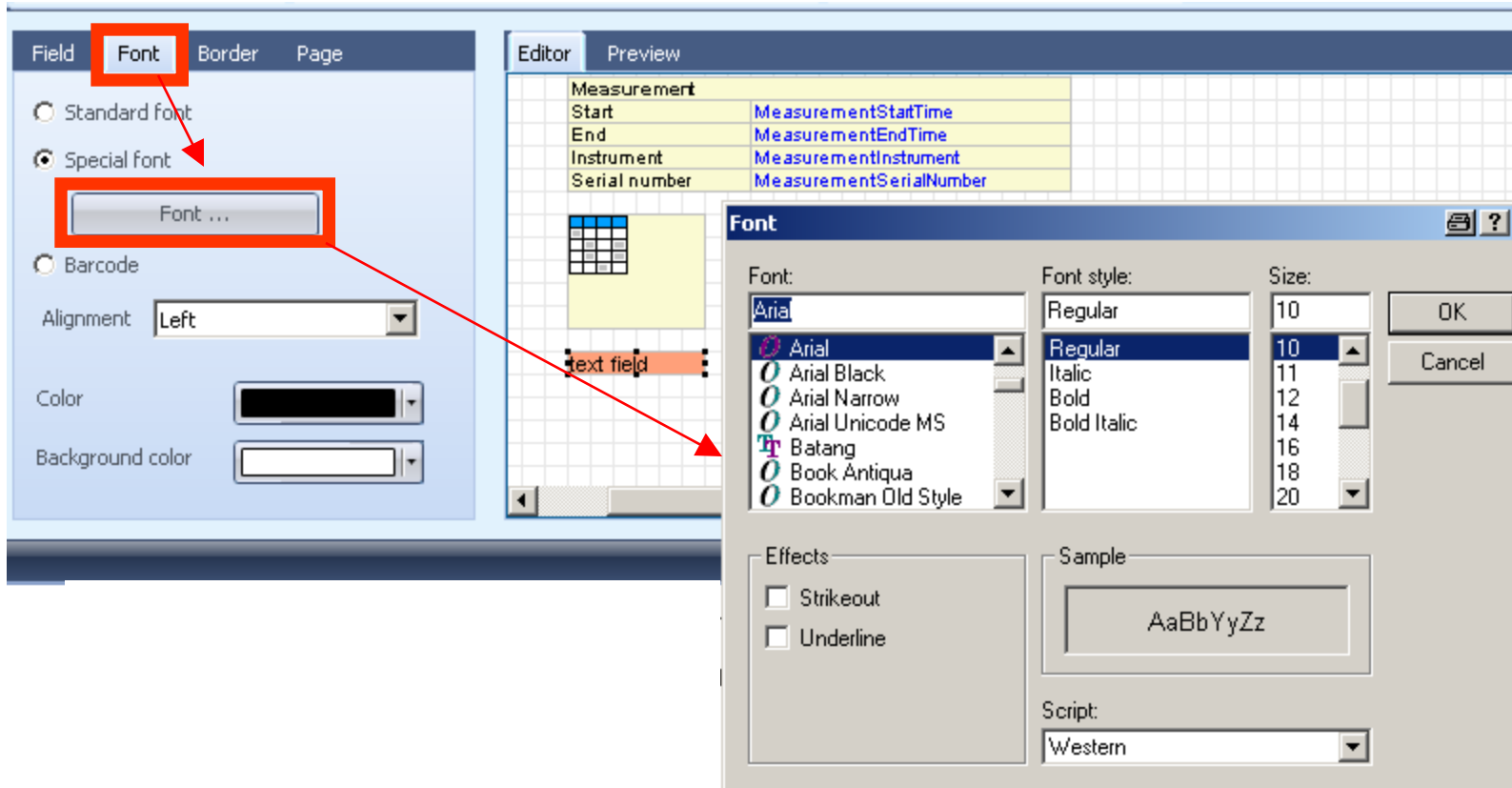
- Create new field: Determine the size of the field with the mouse pointer
- Mark the desired type of field (Textfield, data field, graphics, chart, table, ...)
- Mark field (click on the created field)

Create your own report – Create new fields



- Certain displays of measured values can be selected in data fields or textfields can be defined. Only if measurements were allocated to the measure types, it is possible to select measured values.
- Graphics: e.g. to upload logos.
- Charts and tables are labelled with symbols in the editor

Create your own report – Create new fields



- Textfields can be edited (click "Font")
- Change the size, design etc. of font in the button "font" (see picture)

Create your own report – Create new fields

- Border marked fields

The screenshot shows the 'Border' configuration panel on the left and the report preview on the right. In the 'Border' panel, the 'Border' tab is selected, and all four sides (left, top, right, bottom) are set to 'no border'. A 'Rounded rectangle' checkbox is present and unchecked. The preview shows a table with the following data:

Measurement	
Start	MeasurementStartTime
End	MeasurementEndTime
Instrument	MeasurementInstrument
Serial number	MeasurementSerialNumber

Below the table, there are two icons: a grid icon and a magnifying glass icon. At the bottom, a 'text field' is shown with a red border and dashed corner handles.

- Page settings

The screenshot shows the 'Page' settings panel. The 'Page' tab is selected. The settings are as follows:

- Number of pages: 1
- Width (inch): 8.27
- Height (inch): 11.69
- Grid size (inch): 0.16
- Zoom: 100

There is a 'Default font ...' button and the text 'Current font: Arial 9' at the bottom of the panel.

Import testo templates for your application

Start

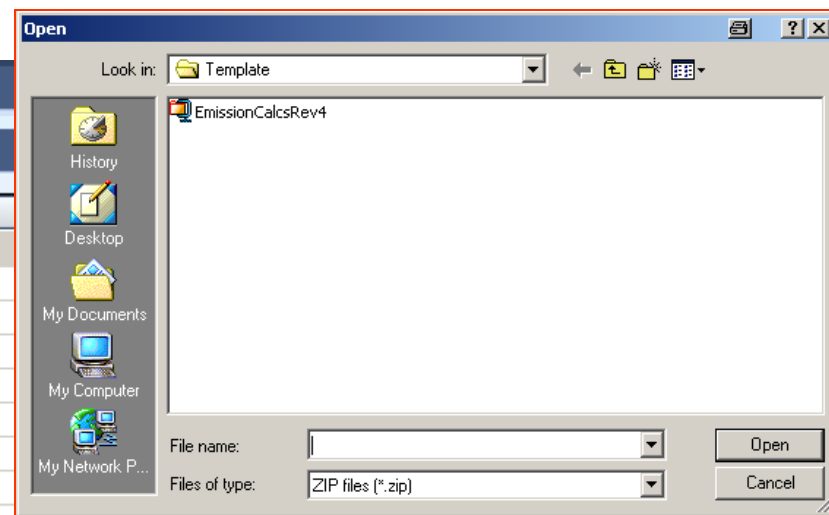
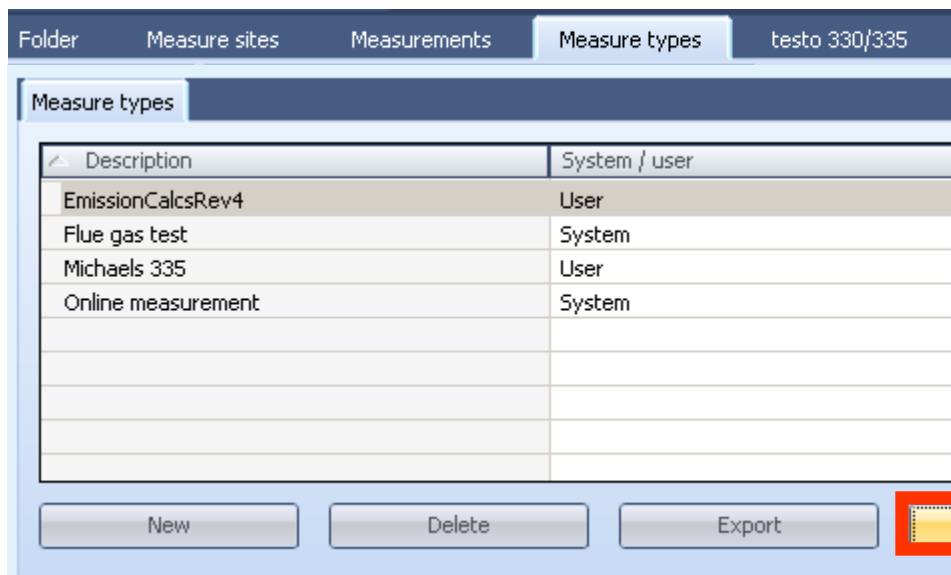
The screenshot shows the 'Measure types' management window. It features a toolbar with icons for 'Previous module', 'Initial page', 'Exit', 'Manage measure types', 'Define testing program', 'Formula Builder', and 'Report design'. Below the toolbar is a table listing various measure types with their descriptions and the user who created them.

△ Description	System / user
ET_EX	User
ET-1	User
ET-1 050509	User
ET-2	User
ET-2 050409	User
ET-3	User
ET-3 051909	User
ET-4	User
ET-4 051909	User

At the bottom of the window, there are four buttons: 'New', 'Delete', 'Export', and 'Import'.

Import testo templates for your application

- Get a testo easyEmission template e.g. by mail
-> save it in a folder on your computer



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-> save it in a folder on your computer

What is a measure type, how can I use it? [Click!](#)



Navigation buttons: Previous module, Initial page, Exit, Search measurement, Display measurement data, Delete, Change site, Connect, Export, Import.

Folder	Site name	Start measurement	Type
Michael	Desk	11/6/2008 10:49:09 AM	Online measurement
Michael	Desk		
Michael	Desk		
Noname	Noname		



**End of presentation!
Back to Start?**

Measurement control buttons: Start, Stop, Start all sessions, Stop all sessions.

Measure type: Online

Instrument group: All

Date / time	% O2	ppm CO	ppm NO	ppm NOx	% Tamb	% CO2	%
11/6/2008 3:56:21 PM	21.00	0	0	0	-	-	-
11/6/2008 3:56:22 PM	21.00	0	0	0	-	-	-
11/6/2008 3:56:23 PM	21.00	0	0	0	-	-	-

Buttons: Save as ..., Export Excel, Clipboard

	% EFF	% Ex...	
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Buttons: Print, Preview, Save as PDF, Export Excel