Trendview DR Graphic Recorder

Model Selection Guide

The DR Graphic recorder represents the latest in data acquisition and recording. Standard features include Ethernet communications, USB port, touch screen interface for easy configuration and navigation with a wide selection of optional features to handle most data acquisition applications.

Instructions

Make the desired selections from the Option Tables using the column below the proper arrow.
A dot (•) denotes unrestricted availability. Restrictions follow Table VI.

Key Number	I	II	III	IV	V	VI
_ _ _ _ _ _	_ _ _	_ _	_	_ _ _	_ _ _ _ _ _	_ _ _

KEY NUMBER		Selection	Availability
DR Advanced Graphic Recorder with 12.1" Display		TVDRG2	↓

TABLE I - INPUTS/OUTPUTS (Notes 2 & 3)

Slot 1 (A0)	No Analog Inputs	(Note 1)	0 _ _	•
Slot 2 (A)	None		_ 0 _	•
	Four Analog Inputs	(Note 1)	_ 4 _	•
	Six Analog Inputs	(Note 1)	_ 6 _	•
	Eight Analog Inputs	(Note 1)	_ 8 _	•
	Four Pulse Inputs		_ P _	•
Slot 3 (B)	None		_ _ 0	•
	Six Additional Analog Inputs	(Note 1)	_ _ 6	f
	Eight Additional Analog Inputs	(Note 1)	_ _ 8	f
	Four Pulse Inputs		_ _ P	f
	8 Relay/2 Digital Inputs-6 Fixed Outputs/2 Configurable DI or Relay		_ _ 2	•
	8 Configurable Digital Inputs/Discrete 24V Relay Outputs		_ _ 3	•
	16 Configurable Digital Inputs/Discrete 24V Relay Outputs		_ _ 4	•
	Two Analog Outputs		_ _ A	•
	Four Analog Outputs		_ _ B	•

TABLE II - POWER

			Selection	Availability
Power	90 - 240 VAC Instrument Power		1 _	•
	90 - 240 VAC Instrument Power/ 24Vdc Transmitter Power		3 _	•
	24V DC Instrument Power	(Note 4)	5 _	•
Input Frequency Filter Value	50 Hz	(Note 10)	_ 1	•
	60 Hz	(Note 10)	_ 2	•

TABLE III - INTERNAL MEMORY FOR DISPLAY/DATA STORAGE

			Availability
Memory Card Expansion	1Gb Internal Memory	0	•
	2Gb Internal Memory	1	•
	4Gb Internal Memory	2	•
	1Gb Internal Memory + 8GB SD Card	3	•
	2Gb Internal Memory + 8GB SD Card	4	•
	4Gb Internal Memory + 8GB SD Card	5	•

TABLE IV - FIRMWARE CREDITS/OPTIONS

			Availability
	None	0 _ _	•
	ESS (Permanent Password Capability)	S _ _	•
Security / Firmware Credits	None	_ 0 _	•
	Five Credits	_ F _	•
	Ten Credits	_ 1 _	•
	Twenty Credits	_ 2 _	•
	Thirty Credits	_ 3 _	•
	Forty Credits	_ 4 _	•
	Fifty Credits	_ 5 _	•
	Sixty Credits	_ 6 _	•
	Seventy Five Credits	_ 7 _	•
	Ninety-Nine Credits	_ 9 _	•
Future	None	_ _ 0	•

CREDITS - Decide what functions are needed and select that many total "Credits" when ordering firmware options. For Example: If Math, Events and Totals are needed for the application, sum the values for each function listed below to determine the number of credits to purchase. Additional credits are available if needed using the Upgrade Procedure Credits can be selected/deselected and used interchangeably as long as the total credits purchased are not exceeded. Maximum number of credits available is 99 credits.

VALUE / FUNCTION		
2	Health/Maintenance	
2	Print Function (USB)	**(Note 12)**
2	Extra Pens	**(Note 6)**
2	Config Lock Out	
3	Remote Viewing	
3	Reports	
3	e-Mail	

VALUE / FUNCTION		
3	Secure Comm (https)	
3	Counters	
4	Totals	
4	Full Maths	
4	Custom Screens	**(Note 13)**
5	Fast Scan	**(Note 5)**
5	Batch	

VALUE / FUNCTION		
5	AMS2750 Process Mode	**(Note 16)**
5	Password Net Sync	
6	Events	**(Note 11)**
6	FF Math & Scripts	
10	Modbus Master	**(Note 15)**
10	AMS2750 TUS Mode	**(Note 17)**

TABLE V - OPTIONS

			Selection	Availability
Case/Mounting	Standard Panel Mounting		0 _ _ _ _ _	•
Documentation Manuals **(Note 14)**	Product Information on CD with TrendViewer		_ 0 _ _ _ _	•
	English Manual & Language Prompts with TrendViewer		_ U _ _ _ _	•
	French Language Prompts Manual with TrendViewer		_ F _ _ _ _	•
	German Language Prompts Manual with TrendViewer		_ G _ _ _ _	•
Tagging	None		_ _ 0 _ _ _	•
	Stainless Steel Tag	**(Note 7)**	_ _ S _ _ _	•
	1 Year Extended Warranty and GTS Support		_ _ 1 _ _ _	•
	2 Year Extended Warranty and GTS Support		_ _ 2 _ _ _	•
	1 Year Extended Warranty and GTS Support and SS Tag	**(Note 7)**	_ _ T _ _ _	•
	2 Year Extended Warranty and GTS Support and SS Tag	**(Note 7)**	_ _ U _ _ _	•
Standards	CE Mark/IP55/NEMA 3		_ _ _ 0 _ _	•
	CE Mark/IP66/NEMA 4X		_ _ _ 1 _ _	•
	CE Mark, UL Listed & CSA Approval/IP55/NEMA 3		_ _ _ 2 _ _	•
	CE Mark, UL Listed & CSA Approval/IP66/NEMA 4X		_ _ _ 3 _ _	•
Certificates	None		_ _ _ _ 0 _	•
	Certificate of conformance (F3391)		_ _ _ _ B _	•
	Custom Calibration test Report (F3399)	**(Note 8)**	_ _ _ _ C _	•
	Certificate of Conformance & Calibration Test Report	**(Note 8)**	_ _ _ _ E _	•
Software **(Note 9)**	None		_ _ _ _ _ 0	•
	Trend Manager Pro (Single User License)		_ _ _ _ _ P	•
	Trend Server Pro (Single User License)		_ _ _ _ _ S	•
	Trend Server Pro with OPC capability (Single User License)		_ _ _ _ _ T	•
	Screen Designer with Trendviewer		_ _ _ _ _ E	•
	Screen Designer with Trend Manager Pro (Single User License)		_ _ _ _ _ F	•
	Screen Designer with Trend Server Pro (Single User License)		_ _ _ _ _ G	•

TABLE VI

Factory Use Only	Standard Honeywell Version (Grey Bezel)	000	•

RESTRICTIONS

Restriction	Available Only With			Not Available With
Letter	Table	Selection	Table	Selection
f			I	_ 0 _

Notes:

1. Standard inputs include T/C, mV, V, Ma, Ohms and RTD actuations.
2. Relay Outputs are high level outputs (240VAC/3 Amp non-inductive loads).
3. Discrete Outputs are low level outputs (24VDC/1 Amp non-inductive loads).
   Any channel on the 8 or 16 Discrete I/O Card can be used as a Digital Input if not used as an Alarm Output.
4. For 24V Instrument Power, the Input Filter Frequency Noise Rejection can be set for either 50 or 60 Hz
5. Fast Scanning only applies when an input is configured as linear (mV, V, Ma) inputs.
6. Extra Pens can be used to write analog values to the recorder using the Ethernet Modbus protocol without needing the full complement of analog inputs. Using all the virtual pens with many complicated maths and other functions can affect the overall performance of the recorder. Maximum available extra pens are 48.
7. Customer must supply tagging information, Up to 3 lines of 22 characters each are allowed
8. Calibration Test Reports/Certificates require specific Range and Input Actuation data from the customer.
   Form F3399 Supplemental Data must be completed. This can be downloaded from www.Honeywellprocess.com
9. Software Packages can be ordered separately (see Accessories price page)
10. The 50/60 Hz setting can be changed in the recorder setup to match the local power conditions. It can be ordered set for either 50Hz or 60Hz. This setting should match the local powerline frequency to provide the best noise rejection.
11. The events currently include: Into, Out of and Alarm Ack, Start, Stop, Reset, Reset & Start Totals, Digital Input ON/OFF/State Change, T/C Burnout, Mark Chart, Start/Stop Logging, Digital Output ON/OFF,
    Scheduled - Once/Interval/Specific Days/Month End, User Counters, Reset Max/Mins, Emails, Screen Change,
    Print Screen, Counters - Reset/Increment, Chart Control-Pause/Stop/Resume/Clear/Prefill, Clear All Messages.
    System - Power ON, Setup Change, Internal Memory Low, Export Memory Low, FTP Memory Low, User Action - Mark Chart,
    Batch - Start/Stop/Pause, Delayed Event, Script Timers - Start/Stop/Reset/Reset & Start, Play Sound - Start/Stop,
    Display Alert, Reports, TUS - Start/Stop, AMS2750 Timer - TC Timers/Process Timers, Update Tabular Readings.
12. The Printer function can print screens from the Recorder to a PCL 3 type printer.
13. Custom Screen credits provide the ability to load custom screens into the recorder.
    Screen Designer Software is required for designing these custom screens at the PC.
    Circular chart format is a standard recorder screen not requiring Screen Designer.
14. The recorder supports local language prompts for the following languages: English, French, German, Italian, Spanish, Brazilian, Polish, Hungarian, Slovakian, Czech, Turkish, Romanian, Russian, Portuguese, Greek, Bulgarian Chinese, Japanese And Korean.
15. To write Modbus Slave values to the pens using Modbus Master requires Full Math or MathScripts to assign these values to a pen.
16. AMS2750 Process Mode credits allow the user to monitor T/C Usages, SAT Cal Due Date, TUS Due Date, Instrument Cal Due Date and Control T/C Due Date.
17. AMS2750 TUS Mode credits allow the recorder to do a temperature uniformity survey and create a data file that is used by the AMS2750 Report Generation Tool to generate a temperature uniformity survey report.