

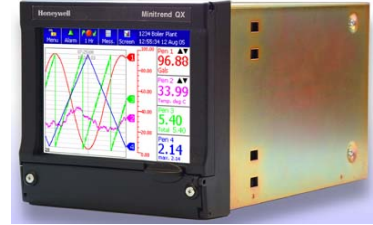
Minitrend QX Recorder

Model Selection Guid with Prices

Model Selection Guide
 43-TV-16-10 Issue 2

Honeywell Proprietary

The Minitrend QX represents the latest in data acquisition and recording. Standard features include Ethernet communications, multiple USB ports, touch screen interface for easy configuration and navigation, a single digital output along with a wide selection of optional features to handle most data acquisition applications.



Instructions

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

List Price
 equals the sum
 of all prices
 for all selections
 made.

Key Number I II III IV V VI VII
 [] - [] - [] - [] - [] - [] - []

KEY NUMBER	Selection	Availability	U.S.\$
Minitrend QX Advanced Graphics Recorder	TVMIQX	↓	

TABLE I - ANALOG INPUTS/OUTPUTS

Slot 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 B	None		0	•	
	Six Additional Analog Inputs (Note 1)		6	•	
	Eight Additional Analog Inputs (Note 1)		8	•	
	Four Additional Pulse Inputs		P	•	
	Two Analog Outputs		A	•	
	Four Analog Outputs		B	•	

TABLE II - DISCRETE INPUTS/OUTPUTS

Discrete Inputs/Outputs (Slot G)	None (One Discrete Output Supplied Standard)		0	•	
	Four Relay Outputs		1	•	
	8 Relay/2 Digital Inputs-6 Fixed Outputs/2 Configurable DI or DO (Note 2)		2	•	
	8 Configurable Digital Inputs/Discrete 24V Relay Outputs (Note 3)		3	•	
	16 Configurable Digital Inputs/Discrete 24V Relay Outputs (Note 3)		4	•	

TABLE III - POWER

Power	90 - 240 VAC with IEC Power Plug		1	•	
	90 - 240 VAC with US Power Cord		2	•	
	90 - 240 VAC with IEC Power Plug/Transmitter Power		3	•	
	90 - 240 VAC with US Power Cord/Transmitter Power		4	•	
	24/48VDC - 24VAC Instrument Power (Note 4)		5	•	
Input Frequency	50 Hz (Note 11)		1	•	
Filter Value	60 Hz (Note 11)		2	•	

TABLE IV - INTERNAL MEMORY FOR DISPLAY/DATA STORAGE

Memory Card Expansion	None - (Standard 70MB)		0	•	
	180 MBytes		1	•	
	400 MBytes		2	•	
	890 MBytes		3	•	
	1850 MBytes		4	•	

TABLE V - FIRMWARE CREDITS/OPTIONS		Selection	TVMIQX Availability	U.S.\$
Security/ Firmware Credits	None	0__	•	
	Extended System Security	S__	•	
	None	_0_	•	
	Ten Credits	_1_	•	
	Twenty Credits	_2_	•	
	Thirty Credits	_3_	•	
	Fifty Credits	_5_	•	
	Seventy Credits	_7_	•	
	None	__0	•	
	Two Credits	__2	•	
	Five Credits	__5	•	
	Eight Credits	__8	•	

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 is not exceeded.

VALUE	FUNCTION
2	Groups
2	Health/Maintenance
2	Print Function (USB)
2	4 Extra Pens/Cr
3	Remote Viewing
3	Batch

(Note 13)
(Note 6)

VALUE	FUNCTION
4	Totals
4	Free Form Math
4	Custom Screens
5	Fast Scan
6	FF Math & Scripts
6	Events
8	OPC Interface

(Note 5)
(Note 12)

TABLE VI - OPTIONS

Case/Mounting	Standard Panel Mounting	0_____	•	
	Standard Panel Mounting with Rear cover	R_____	•	
	Rear Panel Connection for TDC Vutronik Trend Recorder (Note 10)	V_____	e	
Documentation Manuals	Product Information on CD with TrendViewer	_0_____	•	
	English Manual & Language Prompts with TrendViewer	_U_____	•	
	French Language Prompts/English Manual with TrendViewer	_F_____	•	
	German Language Prompts/English Manual with TrendViewer	_G_____	•	
Tagging	None	__0____	•	
	Linen Tag (Note 7)	__L____	•	
	Stainless Steel Tag (Note 7)	__S____	•	
Standards	CE Mark/IP55/NEMA 3	___0__	•	
	CE Mark/IP66/NEMA 4	___1__	•	
	CE Mark, UL Listed & CSA Approval/IP55/NEMA 3	___2__	c	
	CE Mark, UL Listed & CSA Approval/IP66/NEMA 4	___3__	c	
	CE Mark/FM CL 1 DIV 2/IP55/NEMA 3	___4__	c	
	CE Mark/FM CL 1 DIV 2/IP66/NEMA 4	___5__	c	
	CE Mark, UL Listed & CSA Approval/FM CL1 Div 2/IP55/NEMA 3	___6__	c	
	CE Mark, UL Listed & CSA Approval/FM CL1 Div 2/IP66/NEMA 4	___7__	c	
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 VII

		Selection	Availability	U.S.\$
Factory Use Only	Standard Honeywell Version	000	•	

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
c			VI	V _ _ _ _ _
e	III	5 _		

Notes:

- Standard inputs include T/C, mV, V, Ma, RTD actuations.
- Relay Outputs are high level outputs (240VAC/3 Amp).
- Discrete Outputs are low level outputs (24VDC/1 Amp). 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.
- For 24V Instrument Power, the Input Filter Frequency Noise Rejection can be set for either 50 or 60 Hz
- Fast Scanning only applies when an input is configured as linear (mV, V, Ma) inputs.
- 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.
- Customer must supply tagging information, Up to 3 lines of 22 characters each are allowed
- 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 the Honeywell SaleNet site or the Global Technical Services site: <http://content.honeywell.com/ipc/faq/>
- Software Packages can be ordered separately (see Accessories price page)
- Rear Panel for Vutronik Trend Recorder is wired to support 3 Analog Inputs and 24 VDC instrument power only. All other options must be wired individually. Recommended Model Number is TVMIQX-40-0-51-0-000-V00000-000.
- The 50/60 Hz setting can be changed in the recorder setup to match the local power conditions. This setting should match the local powerline frequency to provide the best noise rejection.
- The events currently include: Into, Out of and Alarm Ack, Start, Stop, Reset Totals, Digital Input ON/OFF/State Change, T/C Burnout, Mark Chart, Start/Stop Logging, Digital Output ON/OFF.
- The Printer function only prints text screens from the Recorder Status Screens.