

Firmware Upgrades QX/SX Recorders

Model Selection Guide with Prices

Model Selection Guide
43-TV-16-12 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.

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 Recorder Firmware Upgrades	TVU4	↓	
Multitrend SX Recorder Firmware Upgrades	TVU5	↓	

TABLE I - ANALOG INPUTS/OUTPUTS

Analog Inputs	No Selection	0	• •	
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TABLE II - DISCRETE INPUTS/OUTPUTS

Discrete Inputs/Outputs	None	0	• •	
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TABLE III - POWER

Power	No Selection	1	• •	
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TABLE IV - INTERNAL MEMORY EXPANSION

Internal Memory Expansion	None	0	• •	
Note 1	Go from 70 MBytes to 180 MBytes	1	• •	
	Go to 400 MBytes	2	• •	
	Go to 890 MBytes	3	• •	
	Go to 1850 MBytes	4	• •	

TABLE V - FIRMWARE CREDITS/OPTIONS

Security/ Firmware Credits	None	0 _ _	• •	
Note 2	None	_ 0 _	• •	
	Add Ten Credits	_ 1 _	• •	
	Add Twenty Credits	_ 2 _	• •	
	Add Thirty Credits	_ 3 _	• •	
	Add Fifty Credits	_ 5 _	• •	
	Add Seventy Credits	_ 7 _	• •	
	None	_ _ 0	• •	
	Add Two Credits	_ _ 2	• •	
Add Five Credits	_ _ 5	• •		
Add 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) (Note 7)
2	4 Extra Pens/Cr (Note 4)
3	Remote Viewing
3	Batch

VALUE	FUNCTION
4	Totals
4	Free Form Math
4	Custom Screens (Note 3)
5	Fast Scan
6	FF Math & Scripts (Note 6)
6	Events
8	OPC Interface

TABLE VI - OPTIONS

		Selection	Availability	U.S.\$
Options Software (Note 5)	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

Factory Use Only		000	• •	
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Notes:

1. Selection of this option will allow you to replace the internal memory with this new capacity memory. Must supply Model#, Serial# and Internal Recorder Identification #.
2. This option adds the selected number of credits to the recorder. Must supply Model#, Serial#, factory option code and internal recorder identification#. Maximum number of credits allowed is 70 total.
3. Fast Scanning only applies when an input is configured as linear (mV, V, Ma) inputs.
4. 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.
5. Software Packages can be ordered separately (see Accessories price page)
6. 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.
7. The Printer function only prints text screens from the Recorder Status Screens.