

## Multitrend SX Recorder

## Model Selection Guide with Prices

Model Selection Guide  
43-TV-16-11 Issue 2

Honeywell Proprietary



The Multitrend SX 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

<p>Make the desired selections from the Option Tables using the column below the proper arrow. A dot (•) denotes unrestricted availability. Restrictions follow Table VII.</p>	<p><b>List Price</b> equals the sum of all prices for all selections made.</p>
<p><b>Key Number</b></p> <p style="text-align: center;"> <span style="border: 1px solid black; padding: 2px 10px;"> </span> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> <sup>I</sup> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> <sup>II</sup> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> <sup>III</sup> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> <sup>IV</sup> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> <sup>V</sup> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> <sup>VI</sup> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> <sup>VII</sup> </p>	

KEY NUMBER	Selection Availability	U.S.\$
Multitrend SX Advanced Graphics Recorder	TVMUSX ↓	

**TABLE I - ANALOG INPUTS/OUTPUTS**

Slot	Configuration	Selection Availability	U.S.\$
Slot A	None	0 _____ •	
	Four Analog Inputs <span style="float: right;">(Note 1)</span>	4 _____ •	
	Six Analog Inputs <span style="float: right;">(Note 1)</span>	6 _____ •	
	Eight Analog Inputs <span style="float: right;">(Note 1)</span>	8 _____ •	
	Four Pulse Inputs	P _____ •	
Slot B	None	_ 0 _____ •	
	Eight Additional Analog Inputs <span style="float: right;">(Note 1)</span>	_ 8 _____ •	
	Four Additional Pulse Inputs	_ P _____ •	
Slot C	None	__ 0 _____ •	
	Eight Additional Analog Inputs <span style="float: right;">(Note 1)</span>	__ 8 _____ •	
	Four Additional Pulse Inputs	__ P _____ •	
Slot D	None	___ 0 _____ •	
	Eight Additional Analog Inputs <span style="float: right;">(Note 1)</span>	___ 8 _____ •	
	Four Additional Pulse Inputs	___ P _____ •	
Slot E	None	____ 0 _ •	
	Eight Additional Analog Inputs <span style="float: right;">(Note 1)</span>	____ 8 _ •	
	Four Additional Pulse Inputs	____ P _ •	
	Two Analog Outputs	____ A _ •	
	Four Analog Outputs	____ B _ •	
Slot F	None	____ 0 •	
	Eight Additional Analog Inputs <span style="float: right;">(Note 1)</span>	____ 8 •	
	Four Additional Pulse Inputs	____ P •	
	Two Additional Analog Outputs	____ A •	
	Four Additional Analog Outputs	____ B •	

TABLE II - DISCRETE INPUTS/OUTPUTS (Notes 2 & 3)		Availability		U.S. \$
Slot		Selection		
Slot G	None	0 _ _	•	
	4 Relay Outputs	1 _ _	•	
	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 _ _	•	
Slot H	None	_ 0 _	•	
	4 Relay Outputs	_ 1 _	•	
	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 _	•	
Slot I	None	_ _ 0	•	
	4 Relay Outputs	_ _ 1	•	
	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	•	

TABLE III - POWER				U.S. \$
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 _	•	
	24V DC Instrument Power (Note 4)	5 _	•	
Input Frequency	50 Hz (Note 10)	_ 1	•	
Filter Value	60 Hz (Note 10)	_ 2	•	

TABLE IV - INTERNAL MEMORY FOR DISPLAY/DATA STORAGE				U.S. \$
Memory Card Expansion	None - (Standard 70MB)	0	•	
	180 MBytes	1	•	
	400 MBytes	2	•	
	890 MBytes	3	•	
	1850 MBytes	4	•	

TABLE V - FIRMWARE CREDITS/OPTIONS				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 are not exceeded.

VALUE	FUNCTION
2	Groups
2	Health/Maintenance
2	Print Function (USB) <b>(Note 12)</b>
2	4 Extra Pens/Cr <b>(Note 6)</b>
3	Remote Viewing
3	Batch

VALUE	FUNCTION
4	Totals
4	Free Form Math
4	Custom Screens
5	Fast Scan <b>(Note 5)</b>
6	FF Math & Scripts
6	Events <b>(Note 11)</b>
8	OPC Interface

TABLE VI - OPTIONS		Availability		U.S. \$
		Selection		
Case/Mounting	Standard Panel Mounting	0 _____	•	
	Standard Panel Mounting with Rear cover	R _____	•	
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 <b>(Note 7)</b>	__ L ___	•	
	Stainless Steel Tag <b>(Note 7)</b>	__ S ___	•	
Standards	CE Mark/IP55/NEMA 3	___ 0 ___	•	
	CE Mark/IP66/NEMA 4	___ 1 ___	•	
	CE Mark, UL Listed & CSA Approval/IP55/NEMA 3	___ 2 ___	•	
	CE Mark, UL Listed & CSA Approval/IP66/NEMA 4	___ 3 ___	•	
	CE Mark/FM CL 1 DIV 2/IP55/NEMA 3	___ 4 ___	•	
	CE Mark/FM CL 1 DIV 2/IP66/NEMA 4	___ 5 ___	•	
	CE Mark, UL Listed & CSA Approval/FM CL1 Div 2/IP55/NEMA 3	___ 6 ___	•	
CE Mark, UL Listed & CSA Approval/FM CL1 Div 2/IP66/NEMA 4	___ 7 ___	•		
Certificates	None	___ 0 _	•	
	Certificate of Conformance (F3391)	___ B _	•	
	Custom Calibration Test Report (F3399) <b>(Note 8)</b>	___ C _	•	
	Certificate of Conformance & Calibration Test Report <b>(Note 8)</b>	___ E _	•	
Software <b>(Note 9)</b>	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	Standard Honeywell Version	000	•	

**Notes:**

1. Standard inputs include T/C, mV, V, Ma, RTD actuations.
2. Relay Outputs are high level outputs (240VAC/3 Amp).
3. 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.
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.
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 the Honeywell SaleNet site or the Global Technical Services site: <http://content.honeywell.com/ipc/faq/>
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. 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 Totals, Digital Input ON/OFF/State Change, T/C Burnout, Mark Chart, Start/Stop Logging, Digital Output ON/OFF.
12. The Printer function only prints text screens from the Recorder Status Screens.