

Multitrend Plus V5 Recorder Model Selection Guide

Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make the desired selections from Table I using the column below the proper arrow.
A dot (•) denotes unrestricted availability. Restrictions follow Table VII.

Key Number I II III IV V VI VII

_____ - _____ - _____ - _____ - _____ - _____ - _____

KEY NUMBER

Selection

Availability

Multitrend Plus V5 Electronic Data Recorder	TVMP	↓
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TABLE I - ANALOG INPUTS

Analog Inputs	Eight	8 _	•
	Twelve	A _	•
	Sixteen	B _	•
	Twenty Four	C _	a
	Thirty Two	E _	b
Input Type	Universal (T/C, RTD, mV, mA) (Note 5)	_ 0	•
	Fast Scanning (Note 6)	_ F	•
	Fast Scan Card Slot 1/Universal Card Slot 2 or 3 (Note 11)	_ M	j

TABLE II - DISCRETE INPUTS/OUTPUTS & ANALOG OUTPUTS

Discrete Inputs/ Outputs (Notes 7 & 8)	None	0 _	•
	4 Relay Outputs	4 _	•
	8 Relay/2 Digital Inputs-6 Fixed Outputs/2 Configurable DI or Relay	8 _	•
	8 Configurable Digital Inputs/Discrete 24V Outputs	A _	•
	16 Configurable Digital Inputs/Discrete 24V Outputs	B _	•
	One of item 4 _ plus one of item A _	C _	•
	One of item 4 _ plus one of item B _	E _	•
	One of item 8 _ plus one of item 4 _	F _	•
	Two of item 8 _	G _	•
	One of item 8 _ plus one of item A _	H _	•
	One of item 8 _ plus one of item B _	J _	•
	One of item A _ plus one of item B _	K _	•
	Two of item B _	L _	•
Analog Outputs	None	_ 0	•
	Two Analog Outputs (Not Available with 32 AI)	_ 2	c
	Four Analog Outputs (Not Available with 32 AI)	_ 4	c
	Six Analog Outputs (Not Available with 24 or 32 AI)	_ 6	d
	Eight Analog Outputs (Not Available with 24 or 32 AI)	_ 8	d

TABLE III - FIRMWARE OPTIONS

		Selection	Availability
Firmware	None	0 _ _	•
	Math + Totalizers + Event Markers + 16 Extra Pens	A _ _	•
	Math + Totalizers + Event Markers + 32 Extra Pens (Note 12)	P _ _	•
Screen Options	None	_ 0 _	•
	Mimics and Custom Screens	_ M _	•
	Screen Designer w/Mimics & Custom Screens	_ S _	•
Security	Standard	_ _ 0	•
	Extended System Security	_ _ S	•

TABLE IV - COMMUNICATIONS

Communication Protocol (Note 9)	None	0 _ _	•
	RS485 (Real time Trendbus)	T _ _	•
	Ethernet (Real time Trendbus, Web, FTP, E-mail, Modbus)	E _ _	•
	Ethernet/RS232/485 (Real time Trendbus, Web, (Note 10) FTP, eMail, Modbus, RS232 Barcode, RS485 Trendbus)	A _ _	•
	RS485 Modbus Protocol	M _ _	•
Instrument Power	Universal Power 90 - 240 VAC with IEC Power Plug	_ 0 _	•
	90 - 240 VAC with US Power Cord	_ B _	•
	24 VDC	_ 2 _	•
Transmitter Power	None	_ _ 0	•
	Transmitter Power	_ _ P	f

TABLE V - DATA STORAGE/MEMORY CARD

Data Storage	None	0 _ _	•
	1.44 Mbyte Floppy	F _ _	•
	100 Mbyte ZIP Drive	Z _ _	•
Memory Card Interface	Memory Card Interface (Note 1)	_ 1 _	•
No Selection	None	_ _ 0	•

TABLE VI - OPTIONS

Case/Mounting	Standard Panel Mounting	0 _ _ _ _	•
	NEMA4/IP65 Cover	C _ _ _ _	•
	Portable Case	P _ _ _ _	•
Documentation Manuals	English Manual & Language Prompts with TrendViewer	_ U _ _ _	•
	French Manual & Language Prompts with TrendViewer	_ F _ _ _	•
	German Manual & Language Prompts with TrendViewer	_ G _ _ _	•
	Italian Manual & Language Prompts with TrendViewer	_ I _ _ _	•
	Spanish Manual & Language Prompts with TrendViewer	_ S _ _ _	•
	Product Information on CD Rom with TrendViewer	_ 0 _ _ _	•
Tagging	None	_ _ 0 _ _	•
	Linen Tag (Note 2)	_ _ L _ _	•
	Stainless Steel Tag (Note 2)	_ _ S _ _	•
Approvals	None (CE Standard)	_ _ _ 0 _	•
	CSA Approval	_ _ _ C _	g
	UL Listed	_ _ _ U _	g
	UL Listed & CSA Approval	_ _ _ B _	g
Certifications	None	_ _ _ _ 0	•
	Certificate of Conformance (F3391)	_ _ _ _ B	•
	Custom Calibration Test Report (Note 3)	_ _ _ _ C	•
	Certificate of Conformance & Calib. Test Report (Note 3)	_ _ _ _ E	•
	Validation Manual	_ _ _ _ V	k
	Validation Manual with Certificate of Conformance/ Calibration Test Report (Note 3)	_ _ _ _ W	k
Software (Note 4)	None	_ _ _ _ _ 0	•
	Trend Manager Pro	_ _ _ _ _ P	•
	Trend Server Pro (Single User License)	_ _ _ _ _ S	•
	Trend Server Pro (Single User License) with OPC capability	_ _ _ _ _ T	•

TABLE VII

Factory Use Only		00	•
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RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
a			II	_ 6 or _ 8
b			II	_ 2, _ 4, _ 6, _ 8
c			I	E _ or _ M
d			I	C _ , E _ or _ M
f	IV	_ 0 _		
g			VI	P _ _ _ _ _
j	I	A _ , B _ , C _ , E _	I	8 _
			II	_ 2, _ 4, _ 6, _ 8
k	III	_ _ S		

Notes:

- Memory cards must be purchased separately when using the dual capability. It requires Math and the use of extra pens to record data to both media. (See Accessories price page)
- Customer must supply tagging information, up to 3 lines of 22 characters each are allowed.
- Customer must supply Input Actuation and Range information for each input in the free form section of the order, otherwise the calibration certificate will be based on the factory default ranges.
- Software Packages can be ordered separately. (see Accessories price page)
Manual is currently supplied in English only.
- Standard inputs include T/C, MV, V, mA, RTD actuations.
- Fast Scanning only applies when all inputs are configured as linear (mV, V, Ma) inputs.
If T/C or RTD is programmed for any single input, the scan rate slows to the rate specified for T/C & RTD's.
- 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.
- Trendbus is a Honeywell proprietary protocol that works in conjunction with Trend Server Pro. Use Modbus Protocol or Trend Server Pro with OPC capability for communications using third party software packages.
- When using the RS232 communications port, Event Markers (Option Table III, Selection E _ _ , G _ _ or A _ _) is required in order for the recorder to accept a message or barcode information.
RS485 Port supports Real Time Trendbus, Ethernet Link supports Real Time Trendbus, Web, FTP, TCP/IP Modbus Protocols.
- Table I, Selection _ M allows 1 Fast Scan Card and Standard Universal cards to be used.
This is not available with Analog Outputs. 8 AI Fast Scan Card is always in Slot 1.
- 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.