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Model Selection Guide (34-XY-16-14)

Trendview eZtrend Recorder

Model Selection Guide
43-TV-16-14 Issue 16



The eZtrend represents the latest in data acquisition and recording. Standard features include Active Matrix TFT display, Ethernet communications, USB port, touch screen interface for easy configuration and navigation, NEMA 3 front face plus 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.

Key Number I II III IV V VI VII

_____ - [] - [] - [] - [] - [] - [] - []

KEY NUMBER	Selection	Availability
eZtrend GR Advanced Graphics Recorder with TFT Display and Touch Screen Interface	TVEZGR	• ↓
eZtrend QXe Advanced Graphics Recorder with TFT Display and Touch Screen Interface	TVEZQX	↓ •

TABLE I - ANALOG INPUTS/EXPANSION CARD

Analog Inputs	Three Analog Inputs (Analog 1 - 3)	(Note 1)	3 _	• •
	Six Analog Inputs (Analog 1 - 6)	(Note 1)	6 _	• •
Expansion Card	None		_ 0	• •
	Expansion Board for Table II Option Cards	(Note 2)	_ 1	• •

TABLE II - Hardware Options

Analog Inputs	None		0 _ _	• •
	Six Additional Analog Inputs (Analog 9 - 14)	(Note 3)	6 _ _	c c
Discrete Inputs/Outputs	None		_ 0 _	• •
	Four Relay Outputs		_ 1 _	c c
	8 Relay/2 Digital Inputs-6 Fixed Outputs/2 Configurable DI/DO	(Note 4)	_ 2 _	c c
	8 Configurable Digital Inputs/Discrete 24V Outputs	(Note 5)	_ 3 _	c c
Comms/Xmtr	None		_ _ 0	• •
Power Options	24Vdc Transmitter Power, Rear USB, RS485 Comm Port		_ _ U	d
	Rear USB Port, RS485 Comm Port		_ _ V	e

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 _	• •
	24VDC Instrument Power	(Note 6)	5 _	• •
Input Frequency	50 Hz	(Note 7)	_ 1	• •
Filter Value	60 Hz	(Note 7)	_ 2	• •

TABLE IV - INTERNAL MEMORY FOR DISPLAY/DATA STORAGE

Memory Card	70MB (Qxe version)	1 Gbytes (eZtrend GR version)	0	• •
	2 GBytes		1	• •
	400 MBytes		2	• •
	1 Gb Internal Memory + 8GB Front SD Card	(Note 20)	3	• •
	2Gb Internal Memory + 8GB Front SD Card	(Note 20)	4	• •

TABLE V - FIRMWARE CREDITS/OPTIONS

		TVEZGR TVEZQX	Selection	Availability
Security/Firmware Credits	Standard Passwords	0 __	•	•
	ESS (Permanent Password Capability)	S __	•	•
	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 is not exceeded. Maximum number of credits required to enable all functions is 69 credits.

VALUE / FUNCTION	VALUE / FUNCTION	VALUE / FUNCTION
2 Health/Maintenance	3 Counters	5 AMS2750 Process Mode (Note 17)
2 Print Function (USB) (Note 8)	3 Secure Comm (https) (Note 20)	5 Password Net Sync
2 Extra Pens (Note 9)	4 Media option (Note 20)	6 Events (Note 15)
2 Config Lock out (Note 20)	4 Totals	6 FF Math & Scripts
3 Remote Viewing	4 Full Maths	8 OPC Server Interface (Note 18)
3 Reports	5 Batch	10 Modbus Master (Note 16)
3 e-mail		

TABLE VI - OPTIONS

		TVEZGR TVEZQX	Selection	Availability
Case/Mounting (Note 12)	Standard Panel Mounting	0 _ _ _ _	•	•
	Standard Panel Mounting with Rear cover	R _ _ _ _	•	•
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 _ _ _	•	•
	English Manual & English/Chinese Prompts & TrendViewer	_ C _ _ _	•	•
	English Manual & English/Korean Prompts & TrendViewer	_ K _ _ _	•	•
Tagging	None	_ _ 0 _ _	•	•
	Stainless Steel Tag	_ _ 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 10)	_ _ T _ _	•	•
2 Year Extended Warranty and GTS Support and SS Tag (Note 10)	_ _ U _ _	•	•	
Standards	CE Mark/IP54/NEMA 3	_ _ _ 0 _	•	•
	CE Mark/IP66/NEMA 4X	_ _ _ 1 _	•	•
	CE Mark & cCSAus Approval/IP66/NEMA 4X	_ _ _ 3 _	•	•
Certificates	None	_ _ _ _ 0 _	•	•
	Certificate of Conformance (F3391)	_ _ _ _ B _	•	•
	Custom Calibration Test Report (F3399) (Note 11)	_ _ _ _ C _	•	•
	Certificate of Conformance & Calib. Test Report (Note 11)	_ _ _ _ E _	•	•
Software (Note 13)	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	•	•

TABLE VII

Factory Use Only	Standard Honeywell Version (Black for X-Series, Grey for GR Record)	000	•	•
	Black Color Bezel, Standard Honeywell labeling	014	•	•

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
c	I	_ 1		
d	I	_ 1	III	5 _
e	I III	_ 1 5 _		

Notes:

1. Standard inputs include T/C, mV, V, mA, Ohms and RTD actuations.
2. This option is required when ordering any hardware option in Table II, in case of future hardware upgrades, the Expansion Board for these options can be added using P/N 50012927-501.
3. Analog input card supports T/C, mV, V, mA, Ohms & RTD actuations. These inputs provide enhanced input isolation.
4. Relay Outputs are high level outputs (240VAC/3 Amp non inductive loads).
5. Discrete Outputs are low level outputs (24VDC/1 Amp non inductive loads). Any channel on the 8 Discrete I/O Card can be used as a Digital Input if not used as an Alarm Output. Up to 4 channels can be used as a Pulse Input up to 1KHz.
6. For 24V Instrument Power, the Input Filter Frequency Noise Rejection can be ordered set for either 50 or 60 Hz
7. Factory set to this frequency but configurable in the set up menu to the other frequency setting
8. The Print function can print screens from the Recorder to a PCL type printer.
9. 4 Extra Pens per 2 Credits; Maximum number of Extra Pens available is 12.
the 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.
10. Customer must supply tagging information, Up to 3 lines of 22 characters each are allowed
11. 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/>
12. Portable Case, Rear Cover and Carrying Handle Options can be ordered separately (see Accessories price page)
13. Software Packages can be ordered separately (see Accessories price page)
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.
For X-Series Recorders, Chinese option, it does not contain Korean or Japanese prompts, for Japanese Option it does not contain Chinese or Korean prompts and for Korean option it does not contain Chinese or Japanese Prompts.
15. The events currently include: Into, Out of and Alarm Ack, Start, Stop, Reset, Reset and Start Totals, Digital Input ON/OFF/State Change, Scheduled-Once/Intervall/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, T/C Burnout, Mark Chart, Start/Stop Logging, Digital Output ON/OFF, 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.
16. To write Modbus Slave values to the pens using Modbus Master requires FF Math or Math Scripts to assign these values to a pen.
17. 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.
18. OPC Server function not available in eZtrend GR Recorder
20. Only available in eZtrend GR Recorder