

Paperless Recorders



Features	Circitrend	eZtrend	Minitrend	Multitrend
Chart Size /Screen Size	264 mm (10.4 in)	127 mm (5.0 in)	140 mm (5.5 in)	264 mm (10.4 in)
Number of Inputs	Up to 8	Up to 6	Up to 16	Up to 8
In put Signal Type	Thermocouple, RTD, 4 mA to 20 mA, mV, V	Thermocouple, RTD, 4 mA to 20 mA, mV, V	Thermocouple, RTD, 4 mA to 20 mA, mV, V	Thermocouple, RTD, 4 mA to 20 mA, mV, V
Scan Rate	250 ms/std, Inputs	100ms	20 ms	125 ms/std. Inputs
Chart Speed / Display rate	0.25 sec/log to 144 min/log	1 mm/hr to 1200 mm/hr (0.04 in/hr to 48 in/hr)	1mm/hr to 12000 mm/hr (0.04 in/hr to 480 in/hr)	0.25 sec/log to 144 min/log
Accuracy	0.1% Typical - T/C	0.15% Typical - T/C	0.1% Typical - T/C	0.1% Typical - T/C
Control Output	None	None	None	None
Loops of control	None	None	None	None
Alarms	Up to 8	Up to 6 (optional)	Up to 16	Up to 8
Digital Inputs	Up to 8	Up to 2 (optional)	Up to 16	Up to 8
Auxiliary Output	None	None	up to 4	None
Transmitter Power	Yes	No	Yes	Yes
totalizer(s)	Yes	Yes (optional)	Yes	Yes
Math Functions	Yes	Yes (optional)	Yes	Yes
Communications	RS-485 Trendbus	Ethernet	Ethernet/RS485	RS-485 Trenbus
Chart Documentation and messages	Yes	Yes	Yes	Yes
Setpoint Program	No	No	No	No
Profiles / Segments	No	No	No	No
Front Face Protection Rating	IP65/NEMA 4	IP65-NEMA 4 with Cover Accessory	IP65-NEMA 4 with Cover Accessory	None
Product Configuration	PC or Keypad	PC or Keypad	PC or Keypad	PC or Keypad
Case Size (W x H x D)	350 mm x 350 mm x 150 mm (13.7 in x 13.7 in x 5.9 in)	144 mm x 144 mm x 175 mm (5.7 in x 5.7 in x 6.9 in)	144 mm x 144 mm x 220 mm (5.7 in x 5.7 in x 8.6 in)	231 mm x 239 mm x 300 mm (9.1 in x 9.4 in x 11.8 in)
Cutout Size (W x H)	323 mm x 323 mm (12.7 in x 12.7 in)	138 mm x 138 mm (5.4 in x 5.4 in)	138 mm x 138 mm (5.4 in x 5.4 in)	138 mm x 138 mm (5.4 ub x 5.4 in)
Instrument Power	90 Vac to 240 Vac, 24 Vdc	90 Vac to 240 Vac	90 Vac to 240 Vac, 24 Vdc	90 Vac to 240 Vac, 24 Vdc
Approval	CE	CE/UL/CSA	CE/UL/CSA	CE
Recorder Type		Paperless		
Display		Color LCD		
Data Storage		Yes		
Chart Type		Electronic media		
Portable Case		Yes		
Availability		Global		

Paperless Recorders



Features	Multitrend Plus	Teletrend	VRX180
Chart Size /Screen Size	307 mm (12.1 in)	140 mm (5.5 in)	264 mm (10.4 in)
Number of Inputs	Up to 32	Up to 8	Up to 48
In put Signal Type	Thermocouple, RTD, 4 mA to 20 mA, mV, V	Thermocouple, RTD, 4 mA to 20 mA, mV, V	Thermocouple, RTD, 4 mA to 20 mA, mV, V, Rayotube
Scan Rate	20 ms	125 ms/std. Inputs	1 sec for 24 Inputs
Chart Speed / Display rate	1 mm/hr to 12000 mm/hr (0.04 in/hr to 480 in/hr)	0.25 sec/log to 144 min/log	5 min. to 31 days
Accuracy	0.1% Typical - T/C	0.1% Typical - T/C	0.05% Typical
Control Output	None	None	Current Proportioning, Time Proportioning, Heat/Cool Duplex, 3-Position Step
Loops of control	None	None	Up to 8
Alarms	Up to 32	Up to 8	Up to 36
Digital Inputs	Up to 32	Up to 8	Up to 36
Auxiliary Output	Up to 8	None	Up to 8
Transmitter Power	Yes	Yes	Yes
totalizer(s)	Yes	Yes	Yes
Math Functions	Yes	Yes	Yes
Communications	Ethernet/RS485	RS-485 Trendbus	Ethernet/RS-485 Modbus
Chart Documentation and messages	Yes	Yes	Event logging
Setpoint Program	No	No	Yes-4
Profiles / Segments	No	No	96/63
Front Face Protection Rating	IP65-NEMA 4 with Cover Accessory	IP65 - NEMA 4 with Cover Accessory	IP55/NEMA 3
Product Configuration	PC or Keypad	PC or Keypad	PC or Keypad/Keyboard
Cose Size (W x H x D)	300 mm x 300 mm x 220 mm (11.8 in x 11.8 in x 8.6 in)	144 mm x 144 mm x 300 mm (5.7 in x 5.7 in x 44.8 in)	310 mm x 317 mm x 329 mm (12.2 in x 12.5 in x 12.9 in)
Cutout Size (W x H)	281 mm x 281 mm (11.06 in x 11.06 in)	138 mm x 138 mm (5.4 in x 5.4 in)	278 mm x 278 mm (10.9 in x 10.9 in)
Instrument Power	90 Vac to 240 Vac, 24 Vdc	90 Vac to 240 Vac	85 Vac to 240 Vac
Approval	CE/UL/CSA	CE	CE,CSA/BRTK/c
Recorder Type		Paperless	
Display		Color LCD	
Data Storage		Yes	
Chart Type		Electronic media	
Portable Case		Yes	
Availability		Global	