



	PR10	PR20	PR30
Product Description	low-cost 4.3" touch screen recorder supports 1, 2, 3 or 6 universal analog inputs	intermediate 5.6" high-resolution touch screen recorder supports up to 24 universal analog inputs	large 12.1" high-resolution touch screen recorder supports up to 48 universal analog inputs
Input numbers	3, 6 channels	3, 6, 12, 18, 24 channels	6, 12, 18, 24, 30, 36, 42, 48 channels
True universal inputs	Thermocouples: J, K, T, E, B, R, S, N, L, U, P, W5, W3, LR, A1, A2, A3, M RTD: Pt50, Pt100, Pt200, Pt500, Pt1000 ($\alpha = 0.00385$), Pt50, Pt100 ($\alpha = 0.00391$) JPt50, JPt100, JPt200, JPt500, JPt1000 ($\alpha = 0.003916$) Cu10 ($\alpha = 0.00427$), Cu50, Cu100 ($\alpha = 0.00426, 0.00428$), Ni100, Ni200, Ni500, Ni1000 ($\alpha = 0.00617$) mA, V, mV		
Scan Rate / Data Log Interval	analog inputs scanned every 100ms / Data log interval configurable 100ms, 1, 2, 5, 10, 20, 30 seconds, 1 or 2 minutes.		
Math, External channels, Batch Data Log, Custom display, FDA 21 CFR part 11	Optional with recorder Software version "Plus"		
Display	4.3" TFT wide touch screen	5.6" TFT touch screen	12.1" TFT touch screen
Resolution	480 x 272	640 x 480	1024 x 768
MTBF backlight at 25°C	30,000 hrs	30,000 hrs	60,000 hrs
Backlight	LED		
Screen saver, Email	Yes		
CPU Speed	ARM Cortex-A8, 1Ghz		
Internal Flash memory	256 MB		
RAM	256 MB		
Ethernet	Modbus TCP/IP		
RS-232/422/485	optional RS-232 or RS-422/485 Modbus RTU		
SD card slot / USB ports / Printer Output	1 SD Card Slot / 2 USB ports one front with 2nd back / Printer output via USB ports or LAN		
Pulse input	optional DI card offering either logic or high frequency pulse counter		
START / STOP key	to start / stop data logging and to turn display only off (not the recorder)		
Calibration	field calibration may be accomplished for all analog input types as well as offering Offset and Gain adjustments		
Multilingual	convenient for local users by offering 19 languages including English, Japanese, Chinese (simplified, traditional), French, German, Spanish, Swedish, Danish, Italian, Polish, Russian, Dutch, Korean, Thai, Turkish, Portuguese, Brazil Portuguese, Czech, other languages negotiable		
PC software Historical Viewer+ Configuration	Standard – on PC view, print, export (csv) all data and other files and to create/edit unit configuration files		
Extensive software Data Acquisition Studio	optional, same as Historical Viewer but supports real-time remote monitoring of multiple PR units, data logging at PC and more		
Power supply	90-250VAC or 11-36VDC		
Outer dimensions (W x H x L)	144mm x 144mm x 189mm / 5.67" x 5.67" x 7.44"	144mm x 144mm x 189mm / 5.67" x 5.67" x 7.44"	288mm x 288mm x 189mm / 11.4" x 11.4" x 7.44"
Mounting depth	171mm / 6.74"	171mm / 6.74"	171mm / 6.74"
DIN Panel cutout (W x H)	137mm x 137mm / 5.4" x 5.4"	137mm x 137mm / 5.4" x 5.4"	281mm x 281mm / 11.06" x 11.06"
Protection	IP65 front, IP20 rear		
Operating temperature	0°C to 50°C		
Storage temperature	-30°C to 70°C		
Agency Approvals	UL, cUL, CE, RoHS		

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Display Size	4.3"	5.6"	12.1"
Analog Inputs (Maximum)	6	24	48
Math Channels (Maximum)	15	40	60
External Channels (Other devices)	24	48	96
Total Pages	8	20	21
Pens/Page (Maximum)	6	6	10
Batches (Maximum)	1	1	1