Outstanding Specifications & Features

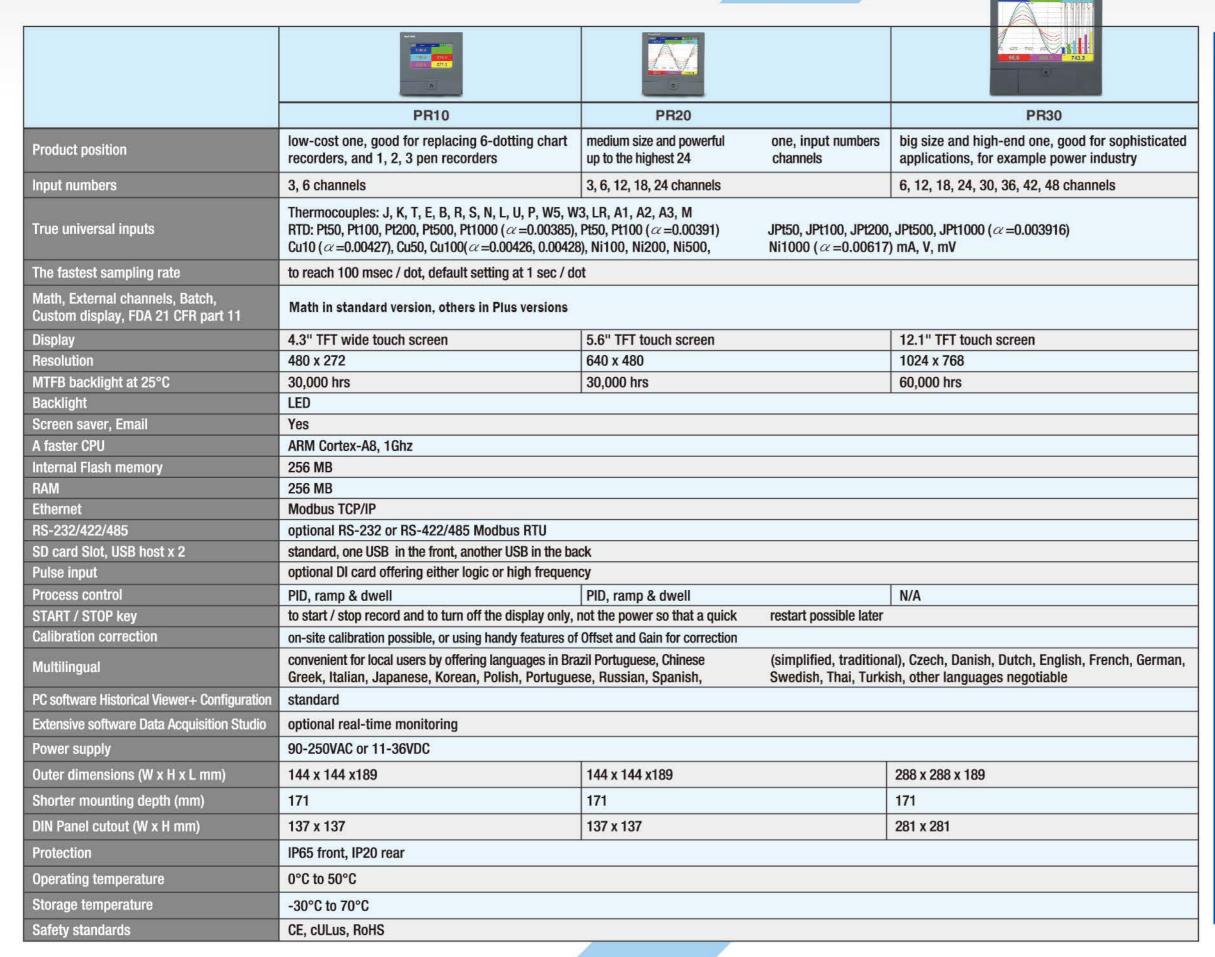|	PR10	PR20	PR30
Product position	low-cost one, good for replacing 6-dotting chart recorders, and 1, 2, 3 pen recorders	medium size and powerful one, input numbers up to the highest 24 channels	big size and high-end one, good for sophisticated applications, for example power industry
Input numbers	3, 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 (α=0.00385), Pt50, Pt100 (α=0.00391) Cu10 (α=0.00427), Cu50, Cu100(α=0.00426, 0.00428), Ni100, Ni200, Ni500,	JPt50, JPt100, JPt200, JPt500, JPt1000 (α=0.003916) Ni1000 (α=0.00617) mA, V, mV	
The fastest sampling rate	to reach 100 msec / dot, default setting at 1 sec / dot		
Math, External channels, Batch, Custom display, FDA 21 CFR part 11	Math in standard version, others in Plus versions		
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
MTFB backlight at 25°C	30,000 hrs	30,000 hrs	60,000 hrs
Backlight	LED		
Screen saver, Email	Yes		
A faster CPU	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 host x 2	standard, one USB in the front, another USB in the back		
Pulse input	optional DI card offering either logic or high frequency		
Process control	PID, ramp & dwell	PID, ramp & dwell	N/A
START / STOP key	to start / stop record and to turn off the display only, not the power so that a quick restart possible later		
Calibration correction	on-site calibration possible, or using handy features of Offset and Gain for correction		
Multilingual	convenient for local users by offering languages in Brazil Portuguese, Chinese Greek, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish,	(simplified, traditional), Czech, Danish, Dutch, English, French, German, Swedish, Thai, Turkish, other languages negotiable	
PC software Historical Viewer+ Configuration	standard		
Extensive software Data Acquisition Studio	optional real-time monitoring		
Power supply	90-250VAC or 11-36VDC		
Outer dimensions (W x H x L mm)	144 x 144 x189	144 x 144 x189	288 x 288 x 189
Shorter mounting depth (mm)	171	171	171
DIN Panel cutout (W x H mm)	137 x 137	137 x 137	281 x 281
Protection	IP65 front, IP20 rear		
Operating temperature	0°C to 50°C		
Storage temperature	-30°C to 70°C		
Safety standards	CE, cULus, RoHS		

Overview

The new PR series paperless recorders are launched in full product range with outstanding specifications and features. PR series includes a low-cost PR10, a popular PR20 and a high-end PR30. Compared with the first generation VR series, PR series offers much more, for example recorders in 4.3" & 12.1" displays in addition to 5.6", 100 msec. sampling rate, external channels, batch, custom display, more strict FDA 21 CFR part 11, handwriting messages, SD slot, 2 USBs, pulse input, field calibration, Web Server, email, multilingual, IP65, and yet in shorter depth 171mm.

The new process control card for oven application
It makes PR10 & PR20 becoming process controller + recorder