

Quick Selection Guides

Digital Pressure Gauges (LCD)



Model	PD202	PD213, PD214, PD224	PD233, PD243, PD253
Type	General Purpose	Industrial	Precision Test
Accuracy	0.5% FS	0.25% FS	0.05%, 0.10%, or 0.25% FS
Case Size	2½"	3", 4½"	3"
Case Material	Thermoplastic	(3") 300 Series stainless steel (4½") Fiberglass reinforced thermo- plastic or black painted aluminum	300 Series stainless steel; Electropolished
Wetted Materials	17-4 PH stainless steel sensor; 316 stainless steel socket	17-4 PH stainless steel sensor; 316 stainless steel socket	316 stainless steel
Socket Size	¼" NPT	¼" NPT, (½" NPT: 4½" case only)	¼" NPT
Connection	Lower (6 o'clock)	Lower (6 o'clock)	Lower (6 o'clock)
Ranges	Vac. to 19,999 psi (see other engineering units below)	Vac. to 20,000 psi & compound (see other engineering units below)	Vac. to 7,000 psi & compound (see other engineering units below)
Power Options	Two AAA alkaline batteries	(3") Two AA alkaline batteries (4½") Two C alkaline batteries Loop-powered or 12-36 VDC	Three AAA alkaline batteries
Battery Life	>1,000 hrs	(3") >1,000 hrs, (4½") >3,600 hrs	>1,000 hrs
On/Off	Manual on/off Auto off: never, 5, 10, 20 min	Manual on/off Auto off: never, 2, 5, 15, or 30 min	Manual on/off Auto off: never, 2, 5, 15, or 30 min
Display	4½ digit LCD	5 digit LCD	5 digit LCD
Digit Height	0.5"	(3") 0.60", (4½") 0.88"	0.66"
Backlight	Option Auto off: 30 sec, 1 min, 5 min	Option Auto off: 10 sec, 30 sec, 1 min, 5 min	Standard Auto off: 10 sec, 30 sec, 1 min, 5 min
Engineering Units	psi, Bar, kg/cm ² , kPa, MPa, ftH ₂ O, inHg, cmHg, mmHg	psi, mmHg, inHg, inH ₂ O (tempera- ture options: 4°C, 20°C, 60°F), mBar, ftH ₂ O, MPa, kPa, kg/cm ² , Bar	psi, inHg, inH ₂ O, ftSW, Bar, mBar, kPa, MPa, mmHg, cmH ₂ O, mmH ₂ O, kg/cm ²
Field Calibration	Zero & span	Zero, mid-point & span Password protected	Zero & span Password protected
Programming Method	Front panel	Front panel	Front panel
Max/Min Display	Max & Min	Max & Min	Max & Min
Zero/Clear	Zeros display or clears max/min	Zeros display or clears max/min	Zeros display or clears max/min
Relays	None	2 Form C (-2 power only)	N/A
Relay Operation	N/A	High or low alarm	N/A
4-20 mA Output	N/A	Optional (-2 power only)	N/A
Operating Temperature	-10 to 60°C	-10 to 60°C	-18 to 65°C
Approvals	CE, EN 61326 (1998)	CE, EN 50082-1 (1997) FM & CSA (option)	CE, EN 50082-1 (1997) FM & CSA
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