PISTON TYPE MECHANICAL DIFFERENTIAL PRESSURE GAUGE

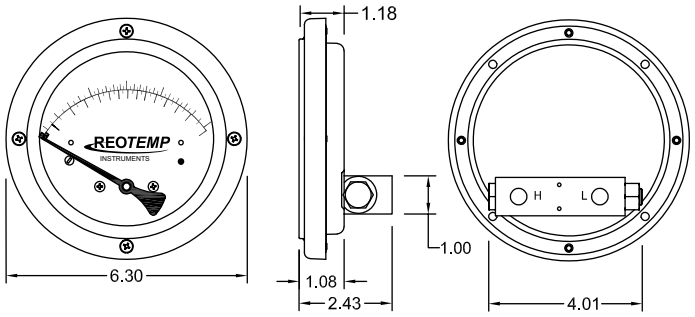
Reotemp Series D20 Piston Type Mechanical Differential Pressure Gauges are primarily designed for liquid applications. Differential pressure is sensed by the movement of a precisely ground floating piston/magnet in a precision bore against a calibrated spring. A rotary pointer magnet located close to the internal magnet follows the movement of the piston magnet and indicates differential pressure on the dial. Piston type differential pressure gauges exhibit a slight amount of bypass as the fluid crosses from the high to the low pressure port.

D20

Fillable

FEATURES / BENEFITS

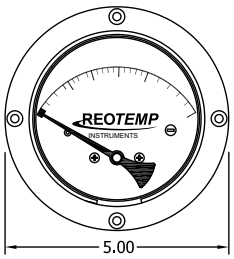
- Rugged, Compact, Cost Effective Design
- Weatherproof Rated to NEMA 4X/IP65
- Working Pressure Up to 6,000 psi
- Over-range Protection to Max Working Pressure
- Popular for Filters and Strainers
- ± 2% Full Scale Accuracy



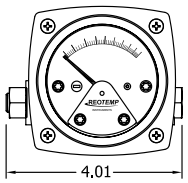
D20 4.5" Dial

SPECIFICATIONS

Accuracy	± 2% Full Scale
Ambient Limits	-40°F/130°F
Process Limits	-40°F/200°F
Process Limits with Diaphragm Seal	Series D20 cannot be mounted to a diaphragm seal. See series D40/42 for gauges mountable to a diaphragm seal.
Wetted Materials	Body: Aluminum, 316SS Internal Parts: SS Gasket/Seals: Buna, Viton, Teflon, Ethylene Propylene, or Perfluoroelastomer
Lens	Plastic (Standard) or Laminated Safety Glass
Other Materials	Case: Aluminum or Engineered Plastic Dial: White Aluminum, Black Letters
Fillable	Yes, Except for 3.5" Dial
Maximum Working Pressure	3,000 psi - Aluminum Body 6,000 psi - 316SS Body
Environmental Protection	NEMA 4X/IP65



D20 3.5" Dial



D20 2.5" Dial

PISTON TYPE MECHANICAL DIFFERENTIAL PRESSURE GAUGE

Visit reotemp.com

- ✓ Configure Part #
- ✓ Get Price
- ✓ Generate a Custom Engineering Drawing
- ✓ Download PDF Data Sheets

HOW TO ORDER: Choose options to build a part number. For example: D202PAB-B4XXA-PD5-M1

D20	2P	A	B	-B4	XX	A
SERIES	**DIAL SIZE/ CASE MATERIAL**	**BODY/ INTERNALS**	**DIAPHRAGM & GASKETS**	**PROCESS CONNECTION**	**SWITCH OR TRANSMITTER TYPE & HOUSING**	**ELECTRICAL SPECIFICATION**
D20 = Mechanical DP Gauage Piston Style (5-110 psid)	**2P** = 2.5" Dial, Plastic Case **4P** = 4.5" Dial, Plastic Case **3A** = 3.5" Dial Aluminum Case **4A** = 4.5" Dial, Aluminum Case	**A** = Aluminum/ SS **S** = 316SS/SS Wetted	**B** = Buna-N **V** = Viton **E** = Ethylene Propylene **P** = Perfluoro-elastomer Wetted	**-B4** = 1/4" NPTF back **-E4** = 1/4" NPTF end connection **-L4** = 1/4" NPTF bottom **-E2** = 1/2" NPTF end adapters	**XX** = None **A3** = Single Reed Switch, Flying Leads with Grommet Wire Seal **A4** = Dual Reed Switch, Flying Leads with Grommet Wire Seal **A5** = Single Reed Switch, Flying Leads with 1/4" FNPT NEMA4X **A6** = Dual Reed Switch, Flying Leads with 1/4" FNPT NEMA4X **D3**= Single Reed Switch, Explo-sion Proof Enclosure* **D4** = Dual Reed Switch, Explo-sion Proof Enclosure* *Complete assembly rated class 1, Div. 2, groups A, B, C, D; Class II, Div. 2, Groups F&G	**X** = None **A** = SPDT, 3W, .25Amp 125VAC/Vdc **B** = SPST, 60W, 1.0Amp 240VAC/Vdc

-PD5	-M1
PRESSURE RANGE	**OPTIONS**
-PD5 = 0-5 psid **-PD10** = 0-10 psid **-PD20** = 0-20 psid **-PD50** = 0-50 psid **-PD100** = 0-100 psid *For Additional Range Codes See Page 81*	**-M1** = 2" Pipe Mounting Kit with Carbon Steel Bracket **-M2** = 2" Pipe Mounting Kit with Stainless Steel Bracket **-M3** = Wall Mounting Kit **-SG** = Laminated Safety Glass (ONLY with 4A Dial) **-MP** = Max Pointer (Not Available with SG or LF) **-LF** = Liquid fill (Not Available with 3A Dial) **-TS** = SS Tag **-OX** = Cleaned for oxygen service

PRESSURE GAUGE RANGES AND CODES

SPECIAL RANGE TYPES

Receiver Ranges			Refrigerant Ranges			Tank Level Ranges	
Code	Element	Dial Range	Code	Dial Range	Refrigerant	Code	Range
P60	3-15 psi	0-100%	N06	-30inHg to 160 psi	Ammonia	F14	0-24ft H_2O
P61	3-15 psi	0-10 sq rt	R06	-30inHg to 160 psi	R134A	F15	0-30ft H_2O
P62	3-15 psi	0-100% & 0-10 sq.rt.	R06A	-30inHg to 160 psi	R22	F15C	0-40ft H_2O
			R06C	-30inHg to 160 psi	R404A	F16	0-60ft H_2O
			N07	-30inHg to 200 psi	Ammonia	F165	0-100ft H_2O
			N08	-30inHg to 300 psi	Ammonia		

DIFFERENTIAL PRESSURE RANGES (DP GAUGES ONLY)

psid		inH_2Od		bard		mbard		kPad	
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range
PD1	0-1 psid	ID10	0-10 inH_2Od	BD1	0-1 bard	MD40	0-40 mbard	AD2.5	0-2.5 kPad
PD3	0-3	ID20	0-20	BD1.6	0-1.6	MD60	0-60	AD6	0-6
PD5	0-5	ID30	0-30	BD2.5	0-2.5	MD100	0-100	AD10	0-10
PD10	0-10	ID50	0-50	BD4	0-4	MD160	0-160	AD25	0-25
PD20	0-20	ID100	0-100	BD6	0-6	MD250	0-250	AD40	0-40
PD50	0-50	ID150	0-150	BD7	0-7	MD400	0-400	AD100	0-100
PD100	0-100	ID200	0-200	BD11	0-11	MD600	0-600	AD250	0-250
PD200	0-200	ID400	0-400	BD55	0-55	MD1000	0-1000	AD700	0-700
PD6000	0-6000			BD400	0-400				