

HIGH-ACCURACY INDUSTRIAL DIFFERENTIAL PRESSURE GAUGE

PRESSURE GAUGES

The REOTEMP Series D09, Bourdon Tube Style Differential Pressure Gauge is ideally suited for a broad range of applications requiring high accuracy and/or high differential pressure range. The large 6" dial with complete 270 degree dial arc makes the D09 the easiest to read differential pressure gauge.



D09



Fillable



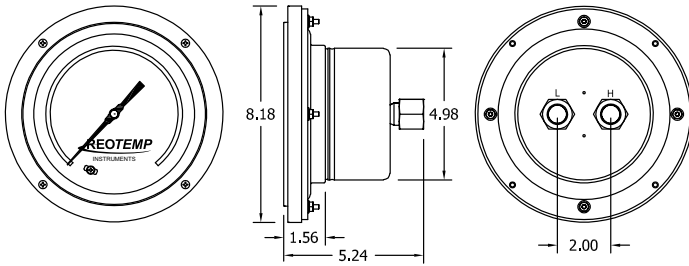
Accuracy

FEATURES / BENEFITS

- High Accuracy $\pm 1\%$ or $.5\%$ Full Scale
- Sensitive Bourdon Tube Construction
- 270 Degree Dial Arc
- Differential Span Up to 6,000 psid

SPECIFICATIONS

Accuracy	$\pm 1\%$ or $.5\%$ full scale
Ambient Limits	$-40^{\circ}\text{F}/130^{\circ}\text{F}$
Process Limits	$-40^{\circ}\text{F}/200^{\circ}\text{F}$
Process Limits with Diaphragm Seal	Series D09 cannot be mounted to a diaphragm seal. See series D40/42 for gauges mountable to a diaphragm seal.
Wetted Materials	Body: Aluminum, 316SS, Brass, Carbon Steel Internal Parts: 316SS, Copper Alloy Gasket/Seals: Buna, Viton, Teflon, Ethylene Propylene, or Silicone
Lens	Plastic (Standard) or Laminated Safety Glass
Other Materials	Dial Case: Engineered Plastic Dial: White Aluminum, Black Letters
Fillable	Yes
Maximum Working Pressure	3,000 psi - Aluminum Body 6,000 psi - 316SS Body
Environmental Protection	NEMA 4X/IP65



D09 6" Dial, Back Connected

HIGH-ACCURACY INDUSTRIAL DIFFERENTIAL PRESSURE GAUGE



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HOW TO ORDER: Choose options to build a part number. For example: **D094PFB-B4XXX-PD20-M1**

D09	4S	F	B	-B4																																														
SERIES	DIAL SIZE	MATERIAL/ MAX WORKING PRESSURE			GASKETS & SEALS	PROCESS CONNECTION																																												
<p>D09 = For DP Ranges: 15-6,000 psid</p>	<p>4S = 4.5" Dial, Plastic Housing</p> <p>6P = 6" Dial, Plastic Housing, 1% Full Scale</p> <p>6H = 6" Dial, Plastic Housing, 1/2% Full Scale</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>Body</th> <th>Internals</th> <th>MWP</th> </tr> </thead> <tbody> <tr><td>F</td><td>Aluminum</td><td>SS</td><td>1,500 psi</td></tr> <tr><td>G</td><td>Aluminum</td><td>SS</td><td>3,000 psi</td></tr> <tr><td>M</td><td>Mild Carbon Steel</td><td>SS</td><td>1,500 psi</td></tr> <tr><td>N</td><td>Mild Carbon Steel</td><td>SS</td><td>3,000 psi</td></tr> <tr><td>Q</td><td>316SS</td><td>SS</td><td>1,500 psi</td></tr> <tr><td>R</td><td>316SS</td><td>SS</td><td>3,000 psi</td></tr> <tr><td>T</td><td>316SS</td><td>SS</td><td>6,000 psi</td></tr> <tr><td>X</td><td>Brass</td><td>SS</td><td>1,500 psi</td></tr> <tr><td>Y</td><td>Brass</td><td>SS</td><td>500 psi</td></tr> <tr><td colspan="4" style="text-align: center;">Wetted</td></tr> </tbody> </table>			Code	Body	Internals	MWP	F	Aluminum	SS	1,500 psi	G	Aluminum	SS	3,000 psi	M	Mild Carbon Steel	SS	1,500 psi	N	Mild Carbon Steel	SS	3,000 psi	Q	316SS	SS	1,500 psi	R	316SS	SS	3,000 psi	T	316SS	SS	6,000 psi	X	Brass	SS	1,500 psi	Y	Brass	SS	500 psi	Wetted				<p>B = Buna</p> <p>V = Viton</p> <p>S = Silicone</p> <p>E = Ethylene/Propylene</p> <p style="background-color: #e0e0ff; padding: 2px;">Wetted</p>	<p>-B4 = 1/4" FNPT-Back (SS Adapters)</p> <p>-B2 = 1/2" FNPT-Back (SS Adapters)</p>
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XX	X	-PD20	-M1																																															
SWITCH TYPE AND HOUSING	ELECTRICAL CONNECTION	PRESSURE RANGE	OPTIONS																																															
<p>XX = None</p>	<p>X = None</p>	<p>-PD20 = 0-20 psid</p> <p>-PD100 = 0-100 psid</p> <p>-PD1000 = 0-1000 psid</p> <p>-BD7 = 0-7 bard</p> <p>-BD140 = 0-140 bard</p> <p><i>For Additional Range Codes See Page 46</i></p>	<p>-M1 = 2" Pipe Mounting Kit with Carbon Steel Bracket</p> <p>-M2 = 2" Pipe Mounting Kit with Stainless Steel Bracket</p> <p>-M3 = Wall Mounting Kit</p> <p>-SG = Laminated Safety Glass</p> <p>-MP = Max Pointer (Not Available with LF)</p> <p>-LF = Liquid Fill</p> <p>-TS = SS Tag</p> <p>-OX = Cleaned for Oxygen Service</p>																																															

PRESSURE GAUGE RANGES AND CODES

PRESSURE GAUGES

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 ₂ O
P61	3-15 psi	0-10 sq rt	R06	-30inHg to 160 psi	R134A	F15	0-30ft H ₂ O
P62	3-15 psi	0-100% & 0-10 sq.rt.	R06A	-30inHg to 160 psi	R22	F15C	0-40ft H ₂ O
			R06C	-30inHg to 160 psi	R404A	F16	0-60ft H ₂ O
			N07	-30inHg to 200 psi	Ammonia	F165	0-100ft H ₂ O
			N08	-30inHg to 300 psi	Ammonia		

LOW PRESSURE RANGES (PC SERIES ONLY)

Low Pressure Ranges									
inH ₂ O		oz/in ²		inH ₂ O & oz/in ²		mbar		psi	
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range
P50	0-10 inH ₂ O	Z50	0-6 oz/in ²	Q50Z	0-10 inH ₂ O & 0-6 oz/in ²				
P51	0-15	Z51	0-8			M51	0-40 mbar		
P49	0-20	Z49	0-10	Q49C	0-20 & 0-12				
P515	0-25	Z52E	0-15						
P52	0-30			Q52N	0-30 & 0-18	M521	0-70	I52	0-1 psi
P525	0-40	Z52	0-20	Q525W	0-40 & 0-24	M525	0-100		
P53	0-60	Z53	0-30	Q53	0-60 & 0-35	M53F	0-150	I53	0-2
P54	0-100	Z54	0-60	Q54B	0-100 & 0-60	M54	0-250	I54	0-3
P55	0-160					M55	0-400	I55	0-5
P56	0-200	Z56	0-100	Q56C	0-200 & 0-115	M56	0-500	I56	0-7
Vacuum Ranges									
P88	-10-0 inH ₂ O	Z88	-6-0 oz/in ²	Q88	-10/0 inH ₂ O & -6/0 oz/in ²				
P90	-30-0	Z90	-20-0	Q90	-30/0 & -18/0	M905	-100-0 mbar	I90	-1-0 psi
P91	-60-0	Z91	-30-0	Q91	-60/0 & -35/0	M94	-200-0	I91	-2-0
P92	-100-0	Z92	-60-0	Q92	-100/0 & -60/0	M95	-400-0		
Compound Ranges									
P7A	-5/0/5 inH ₂ O	Z7A	-3/0/3 oz/in ²			M71	-20/0/20 mbar		
P70	-10/0/10			Q70C	-10/0/10 inH ₂ O & -6/0/6 oz/in ²	M72E	-30/0/30		
P71	-15/0/15					M72	-40/0/40		
P72	-20/0/20	Z72	-10/0/10	Q72C	-20/0/20 & -12/0/12			I73	-1-0-1 psi
P73	-30/0/30			Q73C	-30/0/30 & -18/0/18	M735	-100/0/100	I74	-2-0-2
P74	-60/0/60	Z745	-30/0/30					I55U	-3/0/3
P75	-100/0/100			Q75B	-100/0/100 & -60/0/60			P14C	-5/0/5

DIFFERENTIAL PRESSURE RANGES (DP GAUGES ONLY)

psid		inH ₂ O _d		bard		mbard		kPad	
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range
PD1	0-1 psid	ID10	0-10 inH ₂ O _d	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				