

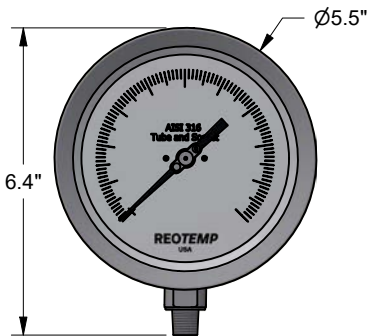
STAINLESS CASE PROCESS GAUGE

PRESSURE GAUGES

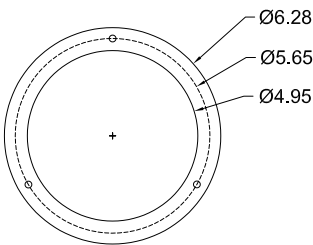
Reotemp's Series PT45T Stainless Case Process Gauge is designed to withstand corrosive atmospheres and media, pulsation and vibration; a very rugged gauge engineered for the process industries. For highly-corrosive, high-temperature, or severe service applications a diaphragm seal is recommended.



PT45T



PT45T



PT45T Mounting Flange


Fillable


Dials


Accuracy


Dampened Movement


Diaphragm Seal Compatible

FEATURES / BENEFITS

- Safety Pattern Design
- Solid Front/Blowout Back Safety Case
- All Stainless Steel Internal Parts
- Internal Overload and Underload Stops
- Field Fillable Case
- Micro-Adjustable Pointer with Floating Zero



SPECIFICATIONS

Accuracy	±0.5%, Grade 2A (10k - 20k psi = 1% upscale, 2% downscale)
Ambient Limits	-40°F/150°F
Process Limits	-40°F/250°F
Process Limits with Diaphragm Seal	-60°F/400°F (Direct Mount)* -110°F/750°F (Remote Mount or Cooling Tower)* *Exact limits depend on diaphragm seal and fill fluids.
Wetted Materials	Tube: 316SS Seamless Socket: 316SS
Lens	Tempered Safety Glass (Standard), Plastic or Laminated Safety Glass
Other Materials	Case: 316SS Ring: Twist-Off Bayonet Dial: White Aluminum, Black Letters, Case-to-Socket: O-Ring
Fillable	Yes
Restrictor Screw	Yes, removable.
Maximum Working Pressure	Stable = 100% Momentary = 130% of scale
Environmental Protection	NEMA 4X/IP65
Weight	Dry = 2 lbs Filled = 3 lbs

STAINLESS CASE PROCESS GAUGE

HOW TO ORDER: Choose options to build a part number. For example: **PT45P1A2P21-D-T-HV**

PT45	T	1	A	2	P21	-D	-T	-HV
DIAL SIZE	CASE TYPE	TUBE & SOCKET	MOUNT TYPE	CONNECTION	RANGE CODE	CASE FILL	LENS	OPTIONS
PT45 = 4.5"	T = 316SS, Bayonet Ring	1 = 316SS	A =  Bottom B =  Bottom with Rear Mounting Pads C =  Lower Back E =  Lower Back / Front Flange	2 = 1/2" NPT 4 = 1/4" NPT 3 = 3/4" NPT	Common Ranges P01 = -30 inHg-0 psi P03 = -30 inHg-0-30 psi P16 = 0-30 psi P18 = 0-100 psi P20 = 0-200 psi P21 = 0-300 psi P25 = 0-1,000 psi P34 = 0-5,000 psi Available Ranges ■ Vac to 20,000 psi ■ Gauge Pressure, Vacuum, or Compound ■ Lowest Range = 10 psi Available Units ■ psi ■ bar ■ kPa ■ kg/cm ² ■ ftH ₂ O ■ & more	-D = Dry -G = Glycerin -W = Glycerin/Water (65/35)	-T = Tempered Safety Glass (std) -P = Plastic -S = Laminated Safety Glass	-HV = Hi-Vis™ Dial -DX = DampX™ Dampened Movement -C3 = 3 pt. Calibration Certificate -OX = Cleaned for O ₂ Service -TS = Stainless Steel Tag -MP = Max. Pointer -P6 = Pointer Stop at 6 O'clock -NC = NACE Compliance Certificate -PM = Positive Material Identification Certification <i>For Additional Options See Page 90</i>
<i>For Additional Range Codes See Page 84</i>								

Diaphragm Seal Suitability Guide

For applications where a diaphragm seal is required, the following diaphragm seal model types are most commonly assembled and filled to Series PT45 pressure gauges. This matrix identifies which diaphragm seal is appropriate based on the specified pressure range. Please reference the diaphragm seal data sheet and seal fill fluid guide for additional application considerations including max pressure, temperature limits, and material compatibility.

Diaphragm Seal Model		Total Gauge Span* (in psi)						
		15	30	45	60	75	100	160+
Mini Seals		MS6	X	S	T	T	T	
		MS8	S	T	T			
Threaded Flush		1"	X	X	X	S	S	T
		1.5"	S	S	T	T		
Offline		W5	S	T	T			
		W6	T					
		T5	S	T				
		W7/V5						

*Total gauge span is additive of negative and positive pressures.

Example: -15 - 0 - 30 psi = 45 psi span

 Assembly will function correctly with minimal accuracy degradation.

 T Assembly will function correctly given stable temperature.

 S Assembly is highly sensitive to orientation and temperature variance. Reotemp cannot guarantee a stated accuracy.

 X Assembly will not work. The diaphragm does not displace enough fill fluid to drive the pressure gauge.

PRESSURE GAUGE RANGES AND CODES

VACUUM/COMPOUND RANGES

psi		Dual Scale & psi & Metric						Single Scale-Metric					
"Hg/0/psi		psi & bar		psi & kg/cm ²		psi & kPa		bar		kg/cm ²		kPa	
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range
P01	-30"Hg/0	D01	"Hg & -1/0 bar	G01	"Hg & -1/0 kg/cm ²	L01	"Hg & -100/0 kPa	B00	-1/0 bar	K00	-1/0 kg/cm ²	A00	-100/0 kPa
P02	-30/0/15	D02	psi & -1/0/1	G02	psi & -1/0/1	L02	psi & -100/0/100	B01	-1/0/1	K01	-1/0/1	A01	-100/0/100
P03	-30/0/30	D03	psi & -1/0/2	G03	psi & -1/0/2	L03	psi & -100/0/200	B02	-1/0/2	K02	-1/0/2	A02	-100/0/200
P04	-30/0/60	D04	psi & -1/0/4	G04	psi & -1/0/4	L04	psi & -100/0/400	B04	-1/0/4	K04	-1/0/4	A04	-100/0/400
P05	-30/0/100	D05	psi & -1/0/7	G05	psi & -1/0/7	L05	psi & -100/0/700	B07	-1/0/7	K07	-1/0/7	A07	-100/0/700
P06	-30/0/160	D06	psi & -1/0/11	G06	psi & -1/0/11	L06	psi & -100/0/1,100	B011	-1/0/11	K011	-1/0/11	A011	-100/0/1,100
P07	-30/0/200	D07	psi & -1/0/14	G07	psi & -1/0/14	L07	psi & -100/0/1,400	B014	-1/0/14	K014	-1/0/14	A014	-100/0/1,400
P08	-30/0/300	D08	psi & -1/0/20	G08	psi & -1/0/20	L08	psi & -100/0/2,000	B020	-1/0/20	K020	-1/0/20	A020	-100/0/2,000

PRESSURE RANGES

psi		Dual Scale & psi & Metric						Single Scale-Metric					
psi		psi & bar		psi & kg/cm ²		psi & kPa		bar		kg/cm ²		kPa	
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range
P14	0-10 psi	D14	psi & .7 bar	G14	psi & .7 kg/cm ²	L14	psi & 70 kPa						
P15	0-15	D15	psi & 0-1	G15	psi & 0-1	L15	psi & 0-100	B1	0-1 bar	K1	0-1 kg/cm ²	A1	0-100 kPa
P16	0-30	D16	psi & 0-2	G16	psi & 0-2	L16	psi & 0-200	B2	0-2	K2	0-2	A2	0-200
P17	0-60	D17	psi & 0-4	G17	psi & 0-4	L17	psi & 0-400	B4	0-4	K4	0-4	A4	0-400
P18	0-100	D18	psi & 0-7	G18	psi & 0-7	L18	psi & 0-700	B7	0-7	K7	0-7	A7	0-700
P19	0-160	D19	psi & 0-11	G19	psi & 0-11	L19	psi & 0-1,100	B11	0-11	K11	0-11	A11	0-1,100
P20	0-200	D20	psi & 0-14	G20	psi & 0-14	L20	psi & 0-1,400	B14	0-14	K14	0-14	A14	0-1,400
P21	0-300	D21	psi & 0-20	G21	psi & 0-20	L21	psi & 0-2,000	B20	0-20	K20	0-20	A20	0-2,000
P22	0-400	D22	psi & 0-28	G22	psi & 0-28	L22	psi & 0-2,800	B28	0-28	K28	0-28	A28	0-2,800
P23	0-600	D23	psi & 0-40	G23	psi & 0-40	L23	psi & 0-4,000	B40	0-40	K40	0-40	A40	0-4,000
P24	0-800	D24	psi & 0-55	G24	psi & 0-55	L24	psi & 0-5,500	B55	0-55	K55	0-55	A55	0-5,500
P25	0-1,000	D25	psi & 0-70	G25	psi & 0-70	L25	psi & 0-7,000	B70	0-70	K70	0-70	A70	0-7,000
P30	0-1,500	D30	psi & 0-100	G30	psi & 0-100	L30	psi & 0-10,000	B100	0-100	K100	0-100	A100	0-10,000
P31	0-2,000	D31	psi & 0-140	G31	psi & 0-140	L31	psi & 0-14,000	B140	0-140	K140	0-140	A140	0-14,000
P32	0-3,000	D32	psi & 0-200	G32	psi & 0-200	L32	psi & 0-20,000	B200	0-200	K200	0-200	A200	0-20,000
P33	0-4,000	D33	psi & 0-280	G33	psi & 0-280	L33	psi & 0-28,000	B280	0-280	K280	0-280	A280	0-28,000
P34	0-5,000	D34	psi & 0-350	G34	psi & 0-350	L34	psi & 0-35,000	B350	0-350	K350	0-350	A350	0-35,000
P35	0-6,000	D35	psi & 0-400	G35	psi & 0-400	L35	psi & 0-40,000	B400	0-400	K400	0-400	A400	0-40,000
P36	0-8,000	D36	psi & 0-550	G36	psi & 0-550	L36	psi & 0-55,000	B550	0-550	K550	0-550	A550	0-55,000
P37	0-10,000	D37	psi & 0-700	G37	psi & 0-700	L37	psi & 0-70,000	B700	0-700	K700	0-700	A700	0-70,000
P38	0-15,000	D38	psi & 0-1,000	G38	psi & 0-1,000	L38	psi & 0-100,000	B1K	0-1,000	K1K	0-1,000	A1K	0-100,000
P39	0-20,000	D39	psi & 0-1,400	G39	psi & 0-1,400	L39	psi & 0-140,000						
P40	0-30,000	D40	psi & 0-2,000	G40	psi & 0-2,000	L40	psi & 0-200,000						
P41	0-40,000	D41	psi & 0-2,800	G41	psi & 0-2,800	L41	psi & 0-280,000						
P42	0-50,000	D42	psi & 0-3,500	G42	psi & 0-3,500	L42	psi & 0-350,000						



Don't See The Range You Need? Reotemp has thousands of specialty dial ranges available and will work with you to create a custom range, just contact Reotemp customer 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 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		

DIFFERENTIAL PRESSURE RANGES (DP GAUGES ONLY)

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

PRESSURE GAUGE RANGES AND CODES

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
P50D	0-1.6 inH ₂ O *					M50D	0-4 mbar*		
P504	0-4*					M504	0-10*		
P506	0-6*					M506	0-16*		
P50	0-10	Z50	0-6 oz/in ²	Q50Z	0-10 inH ₂ O & 0-6 oz/in ²	M50	0-25		
P51	0-15	Z51	0-8			M51	0-40		
P49	0-20	Z49	0-10	Q49C	0-20 & 0-12				
P515	0-25	Z52E	0-15			M522	0-60		
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	Z535	0-35	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	M72A	-50/0/50	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

*available on 4" & 6" sizes only
 **short scaled range

STANDARD DIAL LAYOUTS

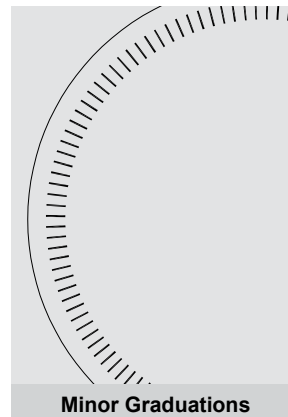
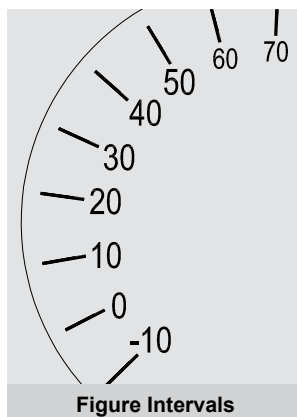
STANDARD DIAL LAYOUTS

	PD/PG/PM15		PD/PG/PM20		PD/PG/PM25		PG/PM40		PR25		PR35		PR40		PR60		PT45	
Range (psi)	Figure	Minor	Figure	Minor	Figure	Minor	Figure	Minor	Figure	Minor	Figure	Minor	Figure	Minor	Figure	Minor	Figure	Minor
10									1	0.1								
15	3	0.5	3	0.2	3	0.2	3	0.2	1	0.25	3	0.2	3	0.2	3	0.2	3	0.2
30	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.2	5	0.2	5	0.2
60	10	1	10	1	10	1	10	1	10	1	10	1	5	0.5	5	0.5	5	0.5
100	10	2	20	2	10	2	10	1	10	1	20	2	10	1	10	1	10	1
160	20	2	20	2	20	2	20	2	20	2	20	2.5	20	1	20	1	20	1
200	50	5	50	5	50	5	20	2	20	2	50	5	20	2	20	2	20	2
300	50	5	50	5	50	5	50	5	50	5	50	5	50	2	50	2	50	2
400	100	10	20	2	100	10	50	5	50	5	100	10	50	5	50	5	50	5
600	100	10	100	10	100	10	100	10	100	10	100	10	50	5	50	5	50	5
800	200	20	100	10	200	20	100	10	100	10	100	10	100	10	100	10	100	10
1000	200	20	200	25	100	20	100	10	100	10	200	20	100	10	100	10	100	10
1500	300	20	300	20	300	20	300	20	300	25	300	20	300	20	250	20	300	20
2000	500	50	500	50	500	50			200	20	500	50	200	20	200	20	200	20
3000	500	50	500	50	500	50	500	50	500	50	500	50	500	20	500	20	500	20
4000			1000	100	1000	100			1000	100			500	50	500	50	500	50
5000			1000	100	1000	100	500	50	500	100	1000	100	500	50	500	50	500	50
6000			1000	100	1000	100	1000	100	1000	100	1000	100	1000	50	1000	50	1000	50
8000			1000	100					1000	100			1000	100	1000	100	1000	100
10000									2000	200	2000	200	1000	100	1000	100	1000	100
15000									3000	200			3000	200	2500	200	3000	200
20000													2000	200	2000	200	2000	200

30 - 0 "Hg	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.2	5	0.2	5	0.5
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30 - 0 - 15	10/5	1/5	10/5	5/5	10/5	1/5	10/5	1/5	10/5	1/5	10/5	1/5	10/5	1/5	10/5	1/5	10/5	1/5
30 - 0 - 30	10	2/1	10	2/1	10	2/1	10/5	1/5	10	2/1	10/5	1/5	10/5	1/5	10/5	1/5	10/5	1/5
30 - 0 - 60	30/10	2/2	30/20	2/2	10	2	10	2/2	10	2	10	2/1	10	2/1	10	2/1	10	2/1
30 - 0 - 100					10/20	5/2			30/20	5/2	30/20	5/2	30/20	5/2	30/20	5/2	30/10	2/1
30 - 0 - 160					30/20	5/2			30/20	5/2	30/20	5/2	30/20	5/2	30/20	5/2	30/20	5/2
30 - 0 - 200					30/20	5			30/50	5	30/20	5	30/20	5/2	30/20	5/2	30/20	5/2
30 - 0 - 300					30/50	10/5			30/50	10	30/50	5	30/50	5/5	30/50	5	30/50	5/5

Note: Dial layouts are subject to change at any time, please confirm with Reotemp if a specific dial layout is requested. Hi-Vis™ and custom dials have varying figure and minor graduations. Please contact Reotemp for dial graduation requirements that differ from Reotemp standard.



PRESSURE GAUGE DIAL OPTIONS

The Importance of Readability

A pressure gauge doesn't need power or software—yet if its dial can't be quickly read and understood, it adds little value. In process or plant environments, the ability to confirm at a glance that pressure is within safe limits can be the difference between smooth operations and costly, potentially hazardous downtime. By combining clear visibility with custom markings, Reotemp pressure gauges ensure critical information is always visible and understood.

REOTEMP HI-VIS™ DIALS

Reotemp introduced Hi-Vis™ dials to give operators superior visibility under challenging conditions. The bold backgrounds and clear markings help:

- Identify readings in low-light environments or at a distance
- Differentiate between multiple process lines within a facility
- Emphasize safety in applications where correct pressure readings are critical



Hi-Vis™



Color Band



Color Pie

COLOR BANDS & COLOR PIES

Color bands and pies provide immediate visual cues for whether the process is within safe pressure limits. Operators instantly see if they need to make adjustments or investigate an issue. This feature is especially useful when monitoring multiple gauges at once.

DIAL MARKING & CUSTOM LOGO DIALS

Pressure gauge dials offer a prime opportunity to communicate critical specifications, highlight installation details, or showcase a brand. Whether it's a serial number, pressure range, or process identifier, custom markings help operators interpret readings with minimal guesswork. And because Reotemp manufactures these dials in-house, there are no additional artwork fees or long lead times.



Custom Logo



ORDERING OPTIONS

-HV	Hi-Vis™ High Visibility Dial
-CB	Color Band (Specify Colors and Ranges)
-CP	Color Pie (Specify Colors and Ranges)
-CL	Custom Logo Dial)
-DM	Dial Marking

For Complete Options
Availability See Options Table
Starting on Page 90

PRESSURE GAUGE OPTIONS

CASE FILL



Case Fill Ambient Temperature Limits

-G	Glycerin USP	40°F to 140°F
-W	Glycerin/Water (65/35)	-40°F to 140°F
-S	Silicone (1000cst)	-50°F to 150°F
-T	Teflon Coated Movement	-40°F to 150°F

POINTER



Min/Max Pointer with Fixed Adjustment



Red Set Hand

-MP	Min/Max Pointer with Fixed Adjustment Screw
-MQ	Min/Max Pointer with Tamper-proof Cap and Key
-RH	Red Set Hand, Manual Adjustment, Not a Drag Pointer (PT45P Case Only)
-RP	Red Pointer (STD with Hi-Vis™ Dial)

Availability PR25, PR40, PR60, PT45P, PG25, & PG40S

ELECTRICAL SWITCH CONTROLS

The electrical contacts option adds a convenient and durable switch option to the mechanical dial pressure gauge. The set pointer can be easily adjusted using a key on the outside of the dial. The pressure gauge pointer drags the switching contacts to either an open or closed position, based on how the user adjusts the contacts.



Electrical Contacts

Recommended Contact Loads

Voltage	Resistive		Inductive
	DC mA	AC mA	AC mA
220	40	45	25
110	80	90	45
48	120	170	70
24	200	350	100

Maximum load at 250V = 0.6A, for larger loads or to reverse action of switches, use of a relay is recommended.

-EC Electrical Contacts

Availability PR40 and PT45P (Case not liquid fillable with contacts)

CALIBRATION OPTIONS

- ✓ All gauge testing and calibrations are performed using NIST-traceable reference equipment.
- ✓ A point certificate (-C3, -C5, etc.) comes with a sticker on the case or lens with a unique test number and a calibration report with logged points.
- ✓ Upgraded accuracy (-R1, -R2, -R5) includes a notation on the dial and a calibration sticker, but no logged points.
- ✓ A calibration sticker (-CS) includes a sticker on the case or lens with a unique test number, but no logged points.



Zero Error/Pointer Adjustment



All Reotemp pressure gauges are designed, manufactured, and calibrated to ASME B40. All calibration reference equipment is NIST-traceable.

PRESSURE GAUGE OPTIONS

		Heavy-Duty Industrial Gauges				Process Gauges				Stainless Steel Case Industrial Gauges			
Part #	Description	PR25	PR35	PR40	PR60	PT45A	PT45P	PT45T	PI45	PM25/40	PM15/20	PG**C	PG**S
CASE FILL OPTIONS													
-G	Glycerin Filled Case	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	✓	✓
-W	Glycerin Water Filled Case (65/35)	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	✓	✓
-S	Silicone Filled Case	✓	✓	✓	✓	✓	N/A	✓	N/A	✓	✓	✓	✓
-T	Teflon-coated Movement (No Case Fill)	✓	✓	✓	✓	✓	N/A	✓	✓	✓	N/A	N/A	N/A
-I	Inert Case Fill	✓	✓	✓	✓	✓	N/A	✓	N/A	✓	N/A	N/A	N/A
LENS OPTIONS													
-P	Plastic Lens	STD	✓	✓	✓	✓	✓	✓	STD	STD	STD	STD	✓
-T	Tempered Safety Glass Lens	✓	STD	STD	STD	STD	STD	STD	N/A	N/A	N/A	N/A	STD
-S	Laminated Safety Glass Lens	✓	✓	✓	✓	✓	✓	✓	N/A	✓	N/A	N/A	✓
-G	Plain Glass	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MQ	MQ	MQ	N/A
POINTER OPTIONS													
-RP	Red Pointer	✓	✓	✓	✓	✓	N/A	✓	✓	✓	N/A	N/A	N/A
-MP	Min/Max Pointer (Drag Hand)†	✓	N/A	✓	✓	✓	N/A	✓	N/A	N/A	N/A	N/A	N/A
-MQ	Min/Max Pointer (Tamper-proof)†	✓	N/A	✓	✓	✓	N/A	✓	N/A	N/A	N/A	N/A	N/A
-RH	Red Set Hand (Manual Adjustment)	N/A	N/A	✓	✓	✓	N/A	✓	N/A	N/A	N/A	N/A	N/A
-EC	Electrical Contacts	N/A	N/A	✓	N/A	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIAL OPTIONS													
-CL	Custom Logo Dial	✓	✓	✓	✓	✓	N/A	✓	✓	✓	MQ	MQ	✓
-HV	Hi-Vis Dial	✓	✓	✓	✓	✓	N/A	✓	✓	✓	✓	✓	✓
-CB	Color Band	✓	✓	✓	✓	✓	N/A	✓	✓	✓	MQ	MQ	✓
-CP	Color Pie	✓	✓	✓	✓	✓	N/A	✓	✓	✓	MQ	MQ	✓
-DM	Dial Marking	✓	✓	✓	✓	✓	N/A	✓	✓	✓	MQ	MQ	✓
-LP	Removable Lens Protector	N/A	N/A	N/A	N/A	✓	N/A	✓	✓	N/A	N/A	N/A	N/A
CALIBRATION OPTIONS													
-R1	Upgrade to 1% FS Accuracy	✓	✓	STD	STD	N/A	N/A	N/A	N/A	✓	N/A	N/A	✓
-R2	Upgrade to 0.5% FS Accuracy	N/A	N/A	✓	✓	STD	N/A	STD	STD	N/A	N/A	N/A	N/A
-R5	Upgrade to 1.5% FS Accuracy	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A
-C1	1pt. NIST Calibration Cert	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-C3	3pt. NIST Calibration Cert	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-C5	5pt. NIST Calibration Cert	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-CX	10pt. NIST Calibration Cert	✓	✓	✓	✓	✓	N/A	✓	✓	✓	✓	✓	✓
-CS	Calibration Sticker (No logged pts.)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TAG OPTION													
-TS	Stainless Steel Tag (1-10 Characters)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-TM	Stainless Steel Tag (11-80 characters)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-TP	Paper Tag	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CERTIFICATION OPTIONS													
-CM	General Material Conformance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-NC	Certificate of NACE Compliance	✓	✓	✓	✓	✓	N/A	✓	✓	N/A	N/A	N/A	N/A
-PM	Positive Material Identification Certificate (PMI)	✓	✓	✓	✓	✓	N/A	✓	✓	✓	✓	✓	✓
-HT	Hydrostatic Test per ASME B31.3 (5 min)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-LC	Argon Leak Check Certificate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CLEANING OPTIONS													
-DG	Degreased - Wiped Clean of Oils, Shipped in Sealed Bag	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	✓
-OX	Cleaned for Oxygen Service per ASME B40.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	MQ	MQ	✓
-OY	Cleaned for Oxygen Service per MIL-STD-1330D	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	✓
OTHER OPTIONS													
-NR	No Restrictor Screw	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A

✓	Indicates that the option is available with the model.	N/A	Indicates the option is not available with this model.
STD	Indicates standard options with no additional cost.	MQ	Minimum order quantity applies.

†This option is only available with a plastic lens.