STAINLESS STEEL CASE PRESSURE GAUGES 112 series



APPLICATIONS

Used with the liquid and gas process media not corrosive, not crystallizing and not highly viscous. The glycerin / silicon oil filled type is especially used for measuring points subject to vibration and highly dynamic pressure load. Particularly used in hydraulics, compressors, general mechanical engineering, pumps, water treatment plants, etc.



SPECIFICATIONS

Dial diameter	1½" (40mm); 2" (50mm); 2½" (63mm); 3" (75mm); 4" (100mm); 6" (150mm)		
Case	Stainless steel 304, IP65 Crimp bezel for dial $\emptyset 1\frac{1}{2}$ " ~ $\emptyset 4$ "; Bayonet bezel for dial $\emptyset 4$ " and $\emptyset 6$ "		
Lens	Acrylic or glass for dial Ø1½" ~ Ø4" ; Safety glass for dial Ø4" and Ø6"		
Dial	Aluminum, black and red/blue markings on white background, dial arc 270°		
Measuring principle	Bourdon Tube, brass		
Movement	Brass		
Pointer	Aluminum, black, adjustable pointer available for dial Ø 4" and 6"		
Connection	Male thread 1/8", 1/4", 3/8", 1/2" PT(BSPT) / NPT / PF(BSP), brass		
Filling	Without (dry); glycerin filled; silicon oil filled		
Accuracy	±2.5%F.S. for Ø1½" & Ø2"; ±1.6%F.S. for Ø2½" ~ Ø6"		
Temperature limits	Dry:medium +60° \mathbb{C} ; ambient -20 to +60° \mathbb{C} Glycerin filled: medium +60° \mathbb{C} ; ambient +10 to +60° \mathbb{C} Silicon oil filled: medium +60° \mathbb{C} ; ambient -45 to +60° \mathbb{C} < Available for medium +180° \mathbb{C} if the bourdon tube is silver soldered. This is special custom-made type upon request.>		
Ranges	positive 0/1 ~ 0/1000 kg/cm ² negative 0/-76 cmHg (relative vacuum) compound -76cmHg / 0 / 1 ~ -76cmHg / 0 / 35 kg/cm ² < other units available, e.g. psi, bar, MPaetc. >		

OPTIONS

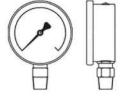
- ➤ Bayonet bezel for dial Ø2-1/2".
- > Special connections.
- > Cleanness for oxygen, acetylene, hydrogen...etc. dangerous media service.
- > Restrictor on connection to alleviate pressure pulsation.
- > Maximum pressure pointer on lens.

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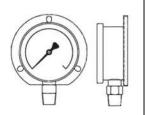
MOUNTING TYPES AND DIAL SIZES





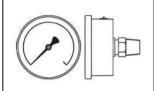
Dial Ø11/2", 2", 21/2", 3", 4", 6" Direct mounting Bottom connection without flange

TYPE W

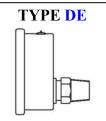


Dial Ø21/2", 3", 4", 6" Surface mounting **Bottom connection** with back flange (Wall mounting)

TYPE D

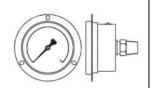


Dial Ø11/2", 2", 21/2", 3", 4" Direct mounting Centric back connection without flange



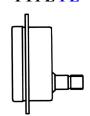
Dial Ø4", 6" Direct mounting Eccentric back connection without flange

TYPE P



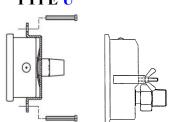
Dial Ø1½", 2", 2½", 3", 4", 6" Flush panel mounting Centric back connection with front flange

TYPE PE



Dial Ø4", 6" Flush panel mounting Eccentric back connection with front flange

TYPE U



Dial Ø1½", 2", 2½", 4"



Dial Ø4"

Flush panel mounting Centric back connection with U-clamp

STANDARD CONNECTION

Dial diameter	Thread size	Dial diameter	Thread size	
Ø 1½"	1/8"	Ø 3"	3/8"	
Ø 2"	1/4"	Ø 4"	1/2" ; 3/8"	
Ø 2½"	1/4"	Ø 6"	1/2"	
Thread specification	PT (=BSPT); NPT; PF (=BSP); others			
Custom-made connection available upon request				

HOW TO ORDER



