

All stainless steel process gauge open or solid front Model T5500 and T6500

According DIN EN 837-1 (former DIN 16 005/16 006)

Nominal size 100 mm or 160 mm

Accuracy: Class 1 (DIN)

Features

- Rugged stainless steel construction
- Socket and case welded
- Protection IP55 and IP65
- Usable to full scale
- Overload protection 130%
- Dry, liquid filled or Liquid less (*PLUS!* gauge)
- Measuring system stainless steel or Monel
- Optional contacts

Ranges

-1 ... 0 bar up to 0 ... 2.500 bar

-30 inHg ... 0 psi up to 0 ... 36.000 psi

Applications

Chemical and petrochemical industry

Machine and apparatus construction

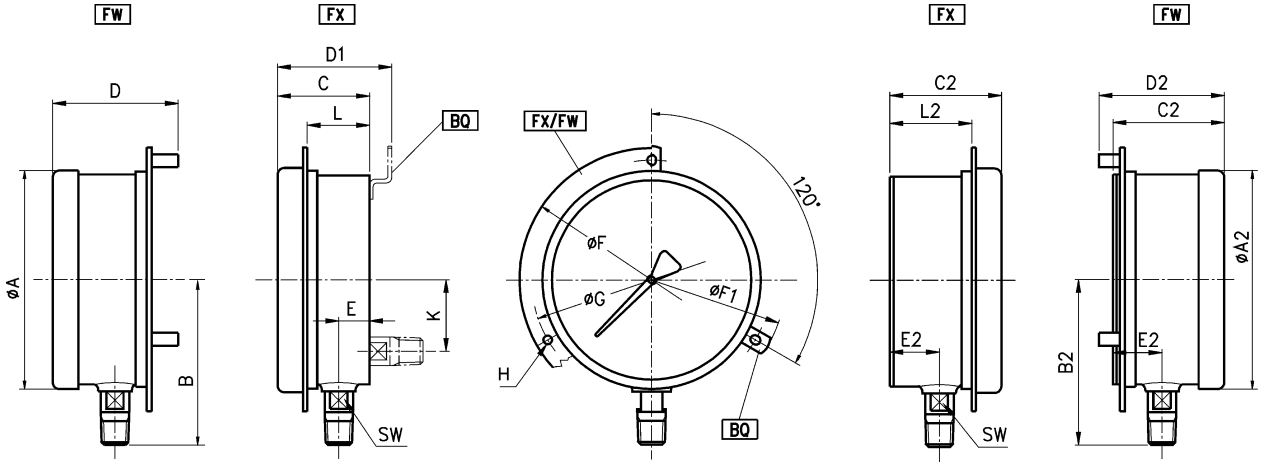
Food and beverage industry

Pulp and paper industry



Technical specification	T5500		T6500	
Dial size [mm]	100	160	100	160
Construction	Open front cylindrical case with blow out disc at the back (former DIN 16 005)		Solid front safety pattern cylindrical case with blow out at the back (former DIN 16 006)	
Measuring principle	Bourdon tube			
Range [bar]	0,6	1 1,6 2,5 4 6 10 16 25 40 60 100 160 250 400 600 1000		
Overpressure limit	1600	2500	-1/0	-1/0,6 -1/1,5 -1/3 -1/5 -1/9
Pressure type	130% F.S., short time Gauge, vacuum and compound			
Process connection	G ¼ B male, G ½ B male, G 3/8 B male according DIN EN 837, M20x1,5 male, R ½ male tapered (DIN 2999), ½" male straight (JIS, BSP), 3/8" male straight (JIS, BSP) ¼" NPT male, ½" NPT male according ANSI/ASME B1.20.1 9/16-18 UNF-2B Aminco (high pressure), others on request (for pressure limitations see order information)			
Connection location	Lower, back		Lower only	
Material	Pressure connection: Stainless steel AISI 316L (1.4404), optional Monel Tube: Stainless steel AISI 316L (1.4404), optional Monel, > 1000 bar Ni Span Case/bayonet ring: Stainless steel AISI 304 (1.4301), optional AISI 316L (1.4404) Window: Instrument glass, optional laminated safety glass or acrylic glass Laminated safety glass, optional acrylic glass Dial: Aluminum, black markings on white background Pointer: Aluminum, black, optional micrometer adjustment, red set hand or maximum pointer Movement: Series 300 Stainless steel			
Accuracy	Class 1 (1% F.S.), optional 0,5% F.S.			
Permissible	Ambient temperature: -25 ... 60°C Medium temperature: max. 100°C Storage temperature: -40 ... 60°C Effect: max. 0,3% / 10 K			
Protection according EN 60 529/IEC 529	IP55 (dry), IP65 (liquid filled), optional IP65 for dry gauges			
Filling liquids	Glycerin, silicone, halocarbon, others on request Optional dampened movement (liquid less gauge), functions as liquid filled gauge (<i>PLUS!</i> gauge)			
Mounting	Standard stem, optional flush or surface, others on request			
Weight dry/filled [kg]	0,8/1,0	1,2/2,0	0,8/1,0	1,2/2,0
Accessories, options	Diaphragm seals, valves, gauges with contacts (see G1.K55/E), gauges with electrical output, NACE			

General dimensions [mm]



T5500

T6500

ø	A	B	C	D	D1	E	F	F1	G	H	K	L	SW
100	101	89	51	69	62	17	132	134	118	6	35	33	17
160	162	118	49	67	59	17	196	194	178	5,5	35	31	17

ø	A2	B2	C2	D2	E2	F	G	H	L2	SW
100	101	89	61	70	26	132	118	6	42	17
160	158	118	66	82	30	183	168	6	53	17

Rev.F

Order information

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering units	Filling/ Case material	Options
(100) 100 mm	T5500	(S) AISI 316L (1.4404) ≤ 1000 bar	(D) IP55	(04) ½" NPT male ¹⁾	(L) Lower	-1/ 0 -1/ 1,5	(BAR)	(=) Standard no filling	(NH) Tagging wired
(160) 160 mm	T6500	(P) Monel 400 ≤ 1000 bar	(L) Liquid filled IP65	(02) ¼" NPT male ¹⁾	(B) Back ¹⁾	-1/ 3 -1/ 5 -1/ 9		(GV) Silicone	(DA) Dial Marking
		(M) Monel 400 tube, AISI 316L (1.4404) socket ≤ 1000 bar		(09) 9/16-18 UNF-2B Aminco		0/ 0,6 0/ 1 0/ 1,6 0/ 2,5		(GV3) Silicone 3 cst	(TU) Throttle plug stainless steel
		(D) Ni span tube, AISI 316L (1.4404) socket > 1000 bar		(13) G ¼ B male ¹⁾		0/ 4 0/ 6 0/ 10 0/ 16 0/ 25 0/ 40 0/ 60 0/ 100 0/ 160 0/ 250 0/ 400 0/ 600 0 1000 0/ 1600 0/ 2500		(GR) Glycerin	(6B) Oxygen cleaned (not for open front acc. EN DIN 837-1)
				(14) G 3/8 B male ¹⁾				(GX) Halocarbon ¹⁾	(MP) Micrometer pointer
				(15) G ½ B male ¹⁾				(YW) Case material AISI 316L (1.4404)	(EP) Maximum pointer, adjustable
				(16) M20x1,5 male ¹⁾				() Contact type and function (see G1.K55/E)	(PD) Acrylic glass
				(KQ) R½ male tapered DIN 2999 ¹⁾					(SG) Safety glass
				(KN) ½" male straight (JIS,BSP) ¹⁾					(FX) Front flange
				(KP) 3/8" male straight (JIS,BSP) ¹⁾					(FW) Back flange
				¹⁾ max. 1000 bar	¹⁾ not for type T6500				(BQ) Wall mounted bracket (not for T6500)
									(UF) U-clamp (not for solid front)
									(SH) Red set hand stationary
									(LJ) Field fillable (only for execution "D", IP65)
									(AJ) Calibration 0,5% (not for range 0/0,6 bar filled)
									(LL) Liquid less gauges (Halocarbon filling not allowed)
									(PR) Receiver gauge
									(OS) Overload stop
									(VS) Underload stop

How to order

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering unit	Filling/Case material	Option
100	T5500	S	D	15	L	0/16	BAR	YW	NH