



SFT500 Series Stainless Steel Pressure Gauge With Transmitter

Features

- Indication Accuracy Class 1.6
- Transmitter Accuracy Class 0.5
- Transmitter with output signal 4..20mA
- Fast response ceramic chip sensor
- All stainless steel construction
- Wide range corrosive application
- DIN case, bayonet lock design
- Over pressure up to 30% of Full Scale
- Design scale ranges up to 600 bar



Application

SFT Series is a pressure gauge combined with pressure transmitter for extreme corrosive and non-corrosive environment, and fully stainless steel construction. Supported with 4..20 mA output signal and high accuracy ceramic chip sensor. Widely use in control systems, machines, pumps, motors, air conditions, PLC (Programmable Logic Control), blower system, etc .

Technical Specification

- Nominal Size
100 mm or 4"
- Accuracy Class
Indication Class 1.6
Transmitter Class 0.5
- Ingress Protection
IP 54
- Connection Size
G $\frac{1}{2}$, G $\frac{1}{4}$ or NPT
- Scale Range
Pressure -1 to 600 bar
- Transmitter Output Signal
4..20 mA, ceramic chip
- Power Voltage
24 VDC (+10%..+5%)
- Filling
Dry execution
- Operating Temperature
Ambient temperature -10 $^{\circ}$ C .. +55 $^{\circ}$ C
Medium temperature 90 $^{\circ}$ C Max.
- Temperature Error
Additional error when pressure element temperature deviates from reference temperature +20 $^{\circ}$ C (+68 $^{\circ}$ F) be $\pm 0.4\%$ / 10 $^{\circ}$ C (50 $^{\circ}$ F) rising or falling
- Over Pressure Limit
130% of F.S. P \leq 100 bar
115% of F.S. P > 100 bar
- Dial Graduation
Black graduation on white for single range
Black and red graduation on white for dual ranges
- Optional Version
IS -Intrinsically safe version



Design Material

- Casing and Bezel Ring
Stainless steel 304
- Wetted Parts
Stainless steel 316
- Window
Plain instrument glass
- Window gasket
Industrial rubber seal
- Pointer
Black painted aluminium
- Dial Plate
Aluminium alloy
- Measuring Sensor
Ceramic cell



Ordering Code



SFT500 ^①<Pressure range> ^② Mounting ^③ - Connection ^④ - Filling ^⑤ *Option ^⑥

①	Dial Size
SFT500	100 mm / 4"
③	Mounting
D	Bottom / Direct connection
W	Bottom conn., back flange / Wall
④	Connection size
G4	G $\frac{1}{4}$ "
N4	$\frac{1}{4}$ "NPT
G2	G $\frac{1}{2}$ "
N2	$\frac{1}{2}$ " NPT
⑤	Filling
D	Dry
⑥	Option
CD	Custom dial layout
SU	Special unit range
MP	Micrometer adjustment pointer
HC	Indication Accuracy Class 10
OC	Other connection thread
IS	Intrinsically safe version
SG	Laminated safety glass

② Dual ranges			Single range		
Bar	&	Psi	Bar or kg/cm2	Psi	kPa
-1..0	-30"	Hg.. 0	-1..0	-30"	Hg.. 0
-1..0.6	-30"	Hg.. 8	-1..0.6	-30"	Hg.. 10
-1..1.5	-30"	Hg.. 20	-1..1.5	-30"	Hg.. 15
-1..3	-30"	Hg.. 40	-1..3	-30"	Hg.. 30
-1..5	-30"	Hg.. 70	-1..5	-30"	Hg.. 60
-1..9	-30"	Hg.. 130	-1..9	-30"	Hg.. 150
-1..15	-30"	Hg.. 200	-1..15	-30"	Hg.. 200
-1..24	-30"	Hg.. 350	-1..24	-30"	Hg.. 300
0..1	0..15		0..1	0..15	
0..1.6	0..23		0..1.6	0..20	
0..2.5	0..35		0..2.5	0..30	
0..4	0..60		0..4	0..60	
0..6	0..85		0..6		
0..7	0..100		0..7	0..100	
0..10	0..150		0..10	0..150	
0..16	0..230		0..16	0..200	
0..25	0..350		0..25	0..300	
0..40	0..600		0..40	0..600	
0..60	0..850		0..60		
0..70	0..1000		0..70	0..1000	
0..100	0..1500		0..100	0..1500	
0..160	0..2300		0..160	0..2000	
0..250	0..3500		0..250	0..3000	
0..400	0..6000		0..400	0..6000	
0..600	0..8500		0..600		