TAS
082 375 3280 / 011 326 4146

PRESSURE MEASUREMENT

Pressure Gauge - Diaphragm Operated

Series SCH - All stainless steel construction

Data Sheet P SCH4

Service Intended
Suitable for aggressive gaseous and liquid media under extreme conditions. Ddiaphragm gauges are suitable for viscous, crystallising or polluting media. The design ensures resistance to vibration and protection against over pressures.

Case Details
Nominal Dia: 100 & 160mm
Material: Stainless steel 304.

Bezel
Type T: S/Steel bayonet lock, twist type - removable.
Material: Stainless steel 304

Pressure Connections
Material: Stainless steel 316.
Sizes : ½" BSP or NPT male or female threaded.
: Open flange on request.
Position: Radial bottom connection only.

Diaphragm Flange Material & Dimensions
Upper flange (gauge) : Stainless steel 316
Lower flange (process): Stainless steel 316
(Exotic material optional)
Ranges 4 kPa to 25 kPa : Flange Ø 160 mm
Ranges 40 kPa to 2500 kPa: Flange Ø 95mm
Gaskets: PTFE or Klingerit IT1000

Measuring System
Diaphragm with push rod principle.
Material: Stainless steel 316.
(Exotic Material or PTFE protection optional)

Geared Movement
Material: Clockwork brass or stainless steel.

Pointer
Collet: Aluminium or brass
Blade: Black aluminium

Dial
Material: Aluminium, white with black lettering.

Window
Instrument glass or plexiglass. *(Plexiglass recommended for food applications)*

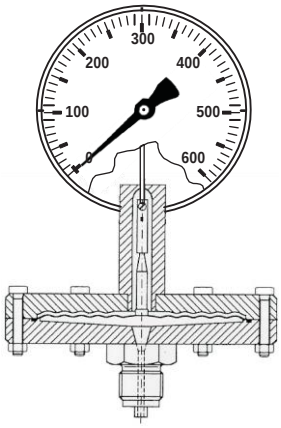
Weather Protection
IP 65 Dust & weather proof.

Working Pressure
Steady : Full scale value
Fluctuating : 90% of full scale value
Short Period: 130% of full scale value
Over Pressure Safety: 5 x full scale value not exceeding 40 bar.

Accuracy Class
Class 1.6

Operating Temperature
Ambient: -20°C to + 60°C
Medium: + 100 °C
Error: 0,5% of fsd / 10°C above or below 20°C

Optional Extras
Glycerine filling of case
Calibration Certificate
Customized scale plates *(customer logo, red line, etc)*
Special Dials, other than standard *(dual scale, bar, psi)*
Colour Coding of dial
Drag pointer *(maximum set pointer)*
Micro adjustable pointer



For dimensional drawing see technical section

STANDARD PRESSURE RANGES					
Ranges	**Figure Interval**	**Minor Graduations**	**Ranges**	**Figure Interval**	**Minor Graduations**
Pressure			**Pressure**		
0/4 kPa	1	0.1	0/800 kPa	100	10
0/6 kPa	1	0.1	0/1000 kPa	200	20
0/10 kPa	2	0.2	0/1600 kPa	200	20
0/16 kPa	2	0.2	0/2500 kPa	500	50
0/25 kPa	5	0.5			
0/40 kPa	10	1	**Compound**		
0/60 kPa	10	1	-100/0/300 kPa	100	10
0/100 kPa	20	2	-100/0/500 kPa	100	10
0/160 kPa	20	2	-100/0/700 kPa	100	10
0/250 kPa	50	10	-100/0/900 kPa	200	20
0/400 kPa	100	10	-100/0/1500 kPa	500	50
0/600 kPa	100	10	-100/0/2400 kPa	500	50
Customized and other scales such as bar / psi / inHG etc. are available on request					