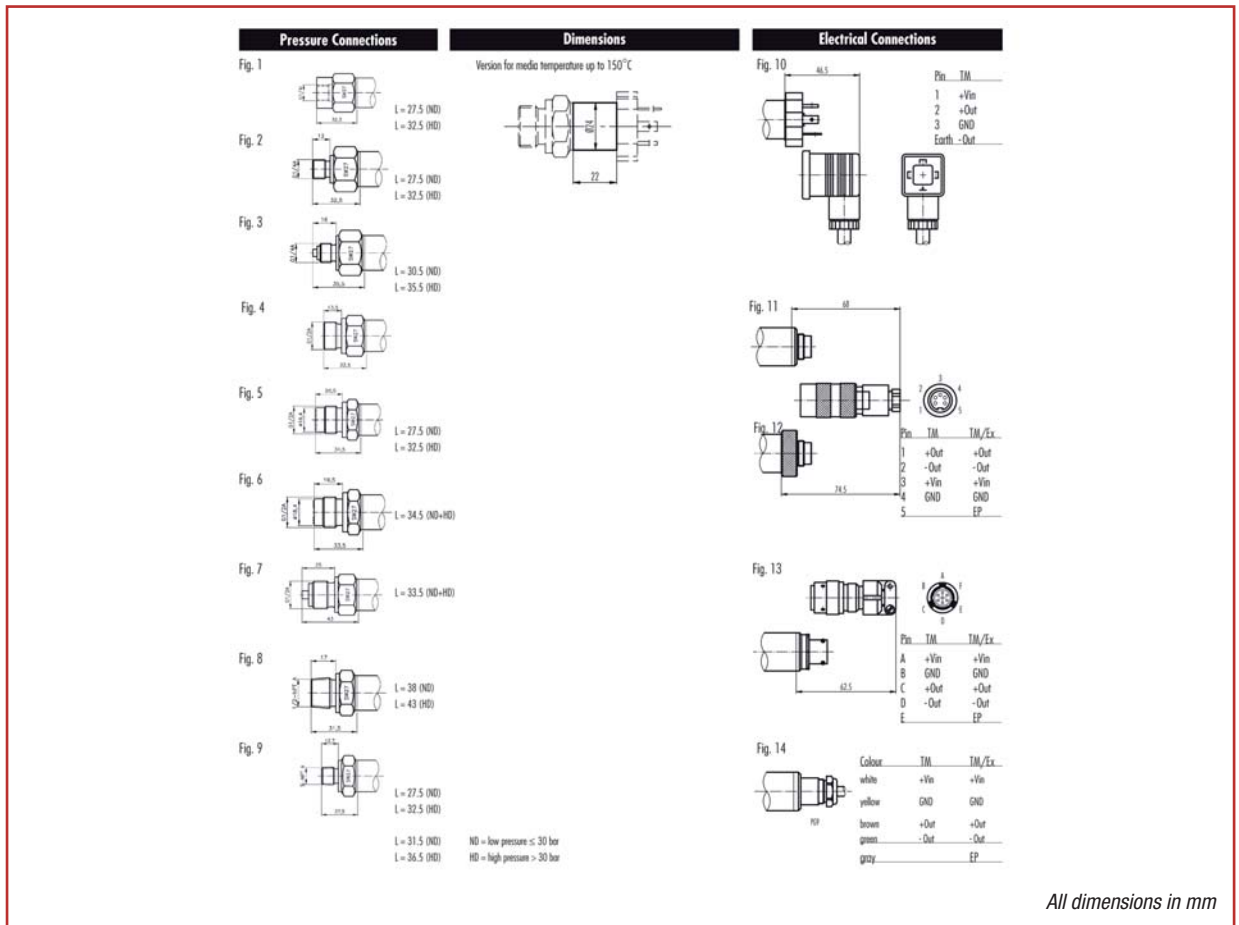


0 ... 100 mbar à 0 ... 1 000 mbar



- Compact and robust stainless steel assembly (316L)
- Piezoresistive measuring element
- For relative or absolute pressure measurement
- High reliability
- Numerous options available
- Low current consumption due to high impedance input
- Media temperature up to 150°C (optional)



Caractéristiques - Specifications

MÉCANIQUES					
Pressure measuring range FS (bar)	0.1 ... 0.5	> 0.5 ... 2	> 2 ... 25	> 25 ... 600	> 600 ... 1 000
Burst pressure	3 bar	3 x FS (min 3 b.)	3 x FS	3 x FS (max. 850 bar, up to 1 500 bar optional)	1 500 bar
Burst pressure	> 200 bar	> 200 bar	> 200 bar	> 850 / ≤ 1 500 bar optional	> 1 500 bar
Accuracy (± % FS) ⁽¹⁾	≤ 0.5	≤ 0.5 ≤ 0.25 optional	≤ 0.5 ≤ 0.25 optional	≤ 0.5 ≤ 0.25 optional	≤ 1 ≤ 0.50 optional
Terminal shift (± % FS/°C)					
- zero point 0 ... 70°C	≤ 0.06	≤ 0.03	≤ 0.015	≤ 0.015	≤ 0.015
- zero point -25 ... 85°C	≤ 0.08	≤ 0.04	≤ 0.02	≤ 0.02	≤ 0.02
- Span 0 ... 70°C	≤ 0.015	≤ 0.015	≤ 0.015	≤ 0.015	≤ 0.015
- Span -25 ... 85°C	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02
Response time (typ.)	< 1ms 10 ... 90 % FS	< 1ms 10 ... 90 % FS	< 1ms 10 ... 90 % FS	< 1ms 10 ... 90 % FS	< 1ms 10 ... 90 % FS
Long term stability (1 year)	< 4 mbar	< 4 mbar	< 0.2 % FS	< 0.2 % FS	< 0.2 % FS

⁽¹⁾ Zero based accuracy according to DIN16086, incl. hysteresis and repeatability at ambient temperature

TYPICAL OUTPUT SIGNAL					
Output signal ⁽²⁾ (mV)	15	25	35	50	100
Connexion					
Input impedance	> 10 kOhm				

⁽²⁾ At nominal pressure, 10 Vdc

PHYSICAL SPECIFICATIONS	
Transduce and Housing Seals (standard)	Stainless steel (316L) (other materials on request) Viton (other materials see ordering information)

TM0 ... 100 mbar
à 0 ... 1 000 mbar**Pressure transmitter****Ordering Information**

		X	XX	XX	XX	XX	XX	XX
Type	TM	21						
Pressure type	Gauge	1						
	Absolute (vacuum)	2						
	Sealed gauge	3						
Pressure measuring range	Any pressure measuring ranges between 0...100 mbar and 0...1000 bar available, (1), (2), (3)	XX						
Process connection	G 1/4 F, (Fig. 1)	00						
	G 1/4 M, (Fig. 2)	11						
	G 1/4 M, manometer DIN 16288, (Fig. 3)	12						
	G 1/2 M, (Fig. 4)	13						
	G 1/2 M, frontal diaphragm, (Fig. 5)	14						
	G 1/2 M, flush diaphragm, (Fig. 6)	15						
	G 1/2 M, manometer DIN 16288, (Fig. 7)	16						
	1/2 NPT M, (Fig. 8)	19						
	1/4 NPT M, (Fig. 9)	10						
	Customized connection available	XX						
Electrical connection	DIN 43650, demountable, IP 65, (Fig. 10), (4)		01					
	Binder 723, 5-pin, IP 67, (Fig. 11), (4)		03					
	Binder 723, 5-pin, demountable, IP 67, (Fig. 12), (4)		43					
	MIL C26482, 10-6, IP 40, (Fig. 13), (4)		06					
	PE cable, IP 67, (Fig. 14), (5), (6)		13					
	PUR cable, IP 67, (Fig. 14), (5), (7)		15					
	PTFE cable, IP 67, (Fig. 14), (5)		21					
	Customized connection available		XX					
Output signal	0...mV (specified by the customer)			XX				
Accuracy	≤ ± 0.5 % FS				0			
	≤ ± 0.25 % FS (on request)				1			
Temperature range	0...70 °C compensated (allowed process temperature: -25...85 °C)				0			
	-25...85 °C compensated (allowed process temperature: -25...100 °C)				7			
	-25...85 °C compensated (allowed process temperature: -25...150 °C)				1			
Option 1	Throttle, (8)						A	
	Special oil filling: ASEOL Food (for food applications)						G	
	Special oil filling: Halocarbon (for oxygen applications), (9)						H	
Option 2	Electronics packed in gel: Gauge pressure						C	
	Electronics packed in gel: Absolute pressure						D	
Option 3	Version titanium						K	
	Seals: Viton (standard)						U	
	Seals: EPDM						S	
	Seals: Kalrez						T	
	Aging						Z	


SCAIME
 L'INFINIMENT PRECIS INFINITE PRECISION

 BP501 - F 74105 Annemasse Cedex
 Tél. : (+33) 4 50 87 78 64
 Fax : (+33) 4 50 87 78 42
 E.mail : info@scaime.com

 Téléchargez tous
 nos documents sur :
Download all
our documents from :
www.scaime.com
Agent