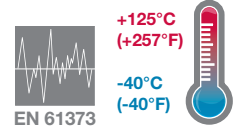


- > 0 ... 50 bar  
Port size: G1/4
- > Robust sensor for hydraulic/fluid applications
- > Small, space saving stainless steel construction
- > Excellent long-term stability
- > Wide temperature range
- > Salt spray tested to ISO 9227
- > Shock and vibration tested to EN 61373, Category 1, class B



### Technical features

**Medium:**  
Neutral and aggressive gases or fluids

**Operating pressure:**  
0 ... 50 bar (0 ... 725 psi)

**Repeatability:**  
±3% for vacuum; ±4% of final value (depending on regulating pressure)

**Port size:**  
G1/4

**Hysteresis and repeatability accuracy:**  
< ± 0,5% FS

**Residual ripple (max.):**  
10% (within supply voltage) at 50 Hz

**Linearity analogue port:**  
< ± 0,5% FS

**Long term drift:**  
< ± 0.2% FS / a

**Electrical connection:**  
M12 x 1

**Output signal:**  
4 ... 20 mA (2-wire technology)  
0 ... 10 V (3-wire technology)

**Supply voltage (PIN 1):**  
9 ... 36 V d.c. (2-wire technology)  
14 ... 36 V d.c. (3-wire technology)

**Load resistance:**  
See diagram

**Interference emission:**  
EN 50081-1

**Interference immunity:**  
EN 50082-2

**Degree of protection:**  
IP67 acc to EN 60529 (with plug mounted)

**EMC:**  
EN 61000-6-2 and EN 61000-6-3 conforming to RL 2004/108/EC

**Weight:**  
0,05 kg (0.11 lbs)

**Temperature sensitivity:**  
< ± 1.0% FS, 0... +80°C (0 ... 176°F)  
< ± 1.5% FS, -25... +100°C (-13 ... 212°F)  
< ± 2.5% FS, -40... +125°C (-40 ... 257°F)

**Ambient/Media temperature:**  
Media:  
-40 ... +150°C (-40 ... +302°F)  
Ambient:  
-40 ... +125°C (-13 ... +257°F)  
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

**Materials:**  
Housing: stainless steel 1.4301  
Medium contacting parts:  
stainless steel 1.4548/FPM

### Technical data

Symbol	Port size	Measuring range *2) (relative pressure)		Maximum over pressure		Output signal		Technology	Model *1)
		(bar)	(psi)	(bar)	(psi)	(mA)	(V)		
	G 1/4	0 ... 10	0 ... 145	40	580	4 ... 20	—	2-wire	0862062
	G 1/4	0 ... 25	0 ... 362	40	580	4 ... 20	—	2-wire	0862162
	G 1/4	0 ... 50	0 ... 725	100	1450	4 ... 20	—	2-wire	0862262
	G 1/4	0 ... 10	0 ... 145	40	580	—	0 ... 10	3-wire	0862362
	G 1/4	0 ... 25	0 ... 362	40	580	—	0 ... 10	3-wire	0862462
	G 1/4	0 ... 50	0 ... 725	100	1450	—	0 ... 10	3-wire	0862562

\*1) Connector not included. Please see page 2  
\*2) Alternative ranges available on request.

**Accessories**

**Connector M 12 x 1**  
4-pin, 90°

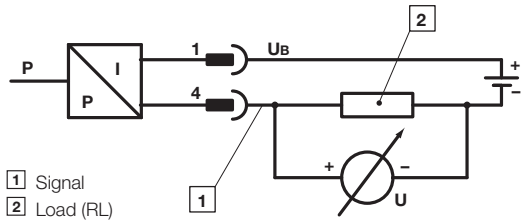
**4-pin, straight**

0523058 (2 m cable, 4-core)	0523056 (without cable)	0523057 (2 m cable, 4-core)	0523055 (without cable)
0523053 (5 m cable, 4-core)		0523052 (5 m cable, 4-core)	

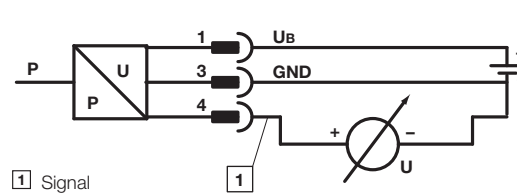
**Electrical connection M12 x 1**

		Electrical connection, M12 x 1, PIN-No.	
		2-wire	3-wire
	+ UB	1	1
	GND	—	3
	Signal	4	4

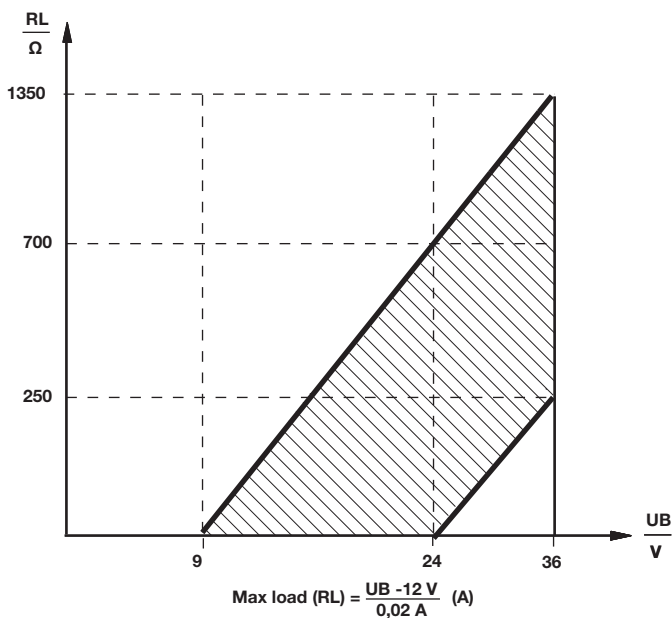
**Electrical diagram for 2-wire versions**  
4 ... 20 mA



**Electrical diagram for 3-wire versions**  
0 ... 10 V

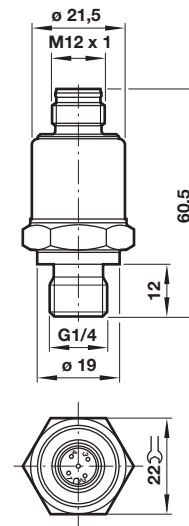


**Characteristic load curve**



**Basic dimensions**

Dimensions in mm  
Projection/First angle



**Warning**

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features/data«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.