



# 17.600

## OEM Pressure Transmitter Heavy-Duty / Refrigeration

- ▶ stainless steel sensor, welded
- ▶ output signal  
standard: 4 ... 20 mA / 2-wire  
optionally: 0 ... 10 V / 3-wire
- ▶ accuracy: 0.25 % FSO BFSL  
(0.5 % FSO IEC 60770)
- ▶ nominal pressure ranges from  
0 ... 6 bar up to 0 ... 600 bar



# 17.600

OEM Pressure Transmitter

Technical Data

Input pressure ranges											
Pressure ranges											
Nominal pressure gauge [bar]	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600
Permissible overpressure [bar]	12	35	35	120	120	120	350	350	1000	1000	1000
Vacuum ranges											
Nominal pressure gauge [bar]	-1 ... 6	-1 ... 10	-1 ... 16	-1 ... 25	-1 ... 40	-1 ... 60					
Permissible overpressure [bar]	12	35	35	120	120	120					

Output signal / Supply	
Standard	2-wire: 4 ... 20 mA / $V_s = 12 \dots 36 V_{DC}$
Option	3-wire: 0 ... 10 V / $V_s = 14 \dots 36 V_{DC}$

Performance		
Accuracy	IEC 60770: $\leq \pm 0.5 \%$ FSO	BFSL: $\leq \pm 0.25 \%$ FSO
Permissible load	current 2-wire: $R_{max} = [(V_s - V_{smin}) / 0.02] \Omega$	voltage 3-wire: $R_{min} = 10 k\Omega$
Influence effects	supply: 0.05 % FSO / 10 V	permissible load: 0.05 % FSO / k $\Omega$

Thermal error (Offset and Span)	
Thermal error	$\leq \pm 0.3 \%$ FSO / 10 K
in compensated range	0 ... 70 °C

Electrical protection	
Short-circuit protection	permanent
Reverse polarity protection	no damage, but also no function
Electromagnetic protection	emission and immunity according to EN 61326

Mechanical stability			
Vibration	10 g RMS (20 ... 2000 Hz)	Shock	100 g / 11 ms

Permissible temperatures			
Medium	-25 ... 85 °C; others on request	Electronics / environment	-25 ... 85 °C
		Storage	-40 ... 100 °C



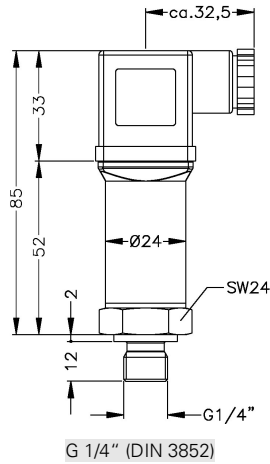
# 17.600

OEM Pressure Transmitter

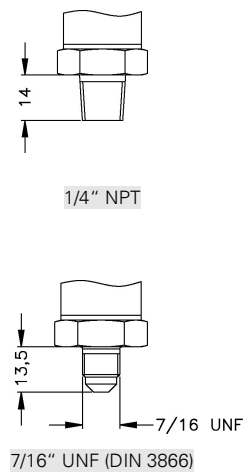
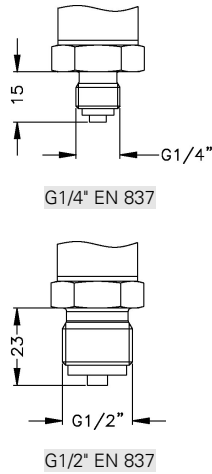
Technical Data

## Mechanical connection

### Standard

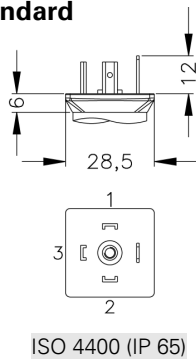


### Optionally

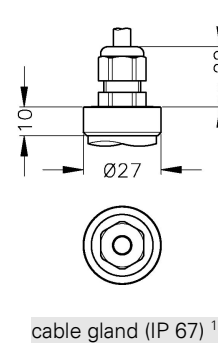
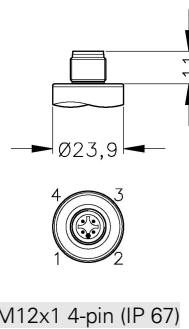


## Electrical connections

### Standard



### Optionally



## Materials

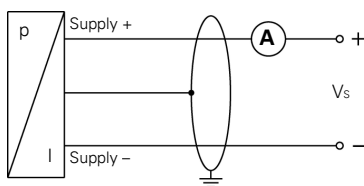
Pressure port	stainless steel 1.4571 (316Ti)
Housing	stainless steel 1.4301 (304)
Seal for the pressure port	only with G 1/4" (DIN 3852): NBR
Seal for the sensor	none (welded)
Diaphragm	stainless steel 1.4542
media wetted parts	pressure port, seal for the pressure port, diaphragm

## Pin configuration

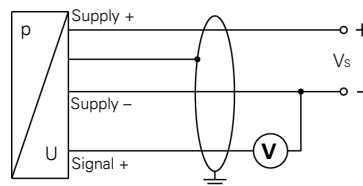
Electrical connections	ISO 4400	M12x1 (4-pin), metal	cable colour (DIN 47100)
Supply +	1	1	white
Supply -	2	2	brown
Signal + (for 3-wire)	3	3	green
Ground	ground contact	4	yellow / green (shield)

## Wirings diagrams

### 2-wire-system (current)



### 3-wire-system (voltage)



<sup>1</sup> Standard: 2m PVC-cable (without ventilation tube)

This data sheet contains product specification, properties are not guaranteed. Subject to change without notice.

