



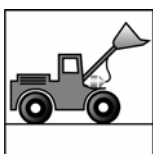
P8WT

Diaphragm Load Cell



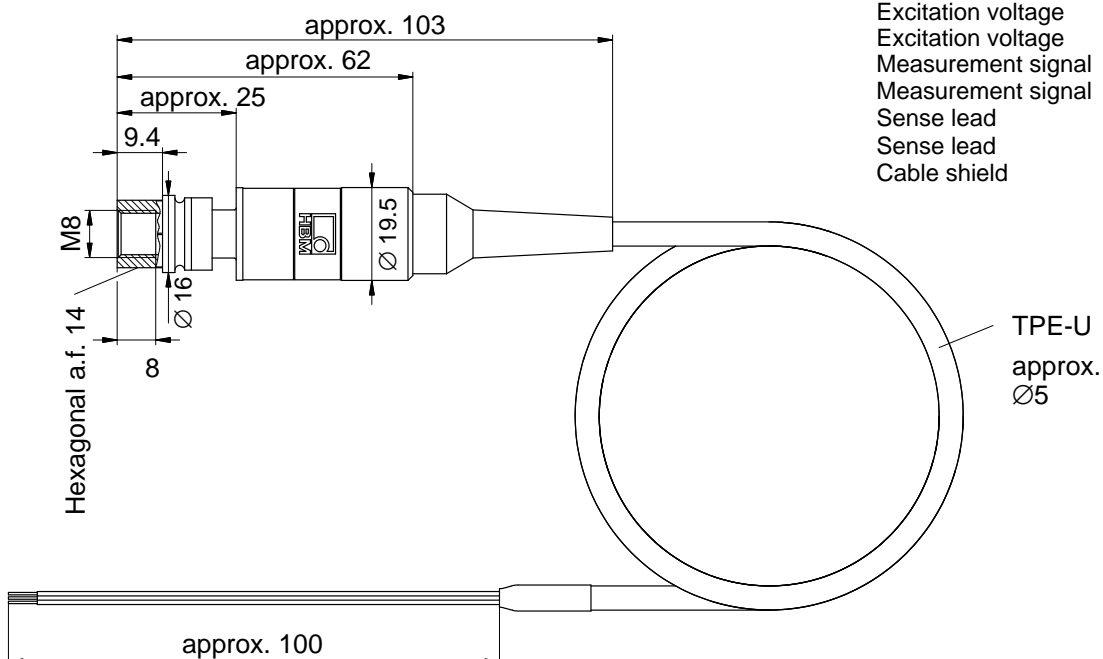
Special features

- SG absolute pressure transmitter for hydraulic lines
- Small dimensions
- Mounting position as desired
- Corrosion-resistant
- For static and dynamic pressures
- Legal for trade to 300 d, test report according to OIML R60



Dimensions (in mm; 1 mm = 0.03937 inches)

Marking: **P8AP/500BAR** (threaded connector: M8 internal)



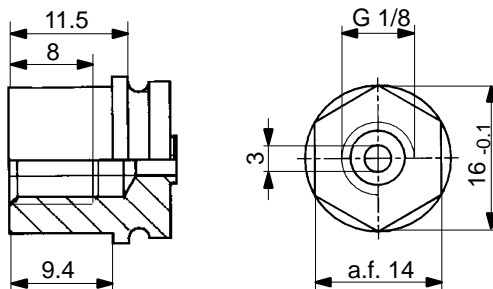
Specifications

Type			P8WT
Accuracy class			D 0.3
Number of load cell verification intervals	n_{LC}		300
Maximum capacity	E_{max}	bar	500
Minimum load cell verification interval	v_{min}	% of E_{max}	0.142
Temperature coefficient of the zero signal per 10 K	TK_0	% of C_n	± 0.2
Nominal (rated) sensitivity	C_n	mV/V	2 \pm 2%
Temperature coefficient of the sensitivity per 10 K	TK_C	% of C_n	0.13
Non-linearity	d_{lin}		0.2
Relative reversibility error	d_{hy}		0.15
Creep upon loading over 30 min.	d_{cr}		0.25
Input resistance	R_{LC}	Ω	370 (+130/-70)
Output resistance	R_O		330 (+90/-30)
Reference excitation voltage	U_{ref}	V	5
Nominal (rated) range of the excitation voltage	B_U		0.5 to 12
Insulation resistance	R_{is}	G Ω	> 1
Nominal (rated) ambient temperature range	B_T	$^{\circ}$ C	−10 to +40
Operating temperature range	B_{tu}		−40 to +80
Storage temperature range	B_{tl}		−50 to +85
Limit load	E_L	% of E_{max}	150
Breaking load	E_d		200
Relative permissible oscillatory stress (oscillation width as per DIN 50100)	F_{srel}		60
Weight, approx.	G	kg	0.38
Degree of protection per EN 60529 (IEC529)			IP67
Material: Measuring body Pressure connection Cable entry Cable sheath			stainless steel 1.4542 stainless steel 1.4301 polyethylene TPE-U

The following standard versions can be supplied from stock at short notice:

Threaded connector	M8 internal (see page 1 for dimensions)	G 1/8 internal (see below for dimensions)
Ordering number	1-P8WT/500B-001	1-P8WT/500B-002

Order no.: 1-P8WT/500B-002



Subject to modifications.

All product descriptions are for general information only. They are not to be understood as a guarantee of quality or durability.

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