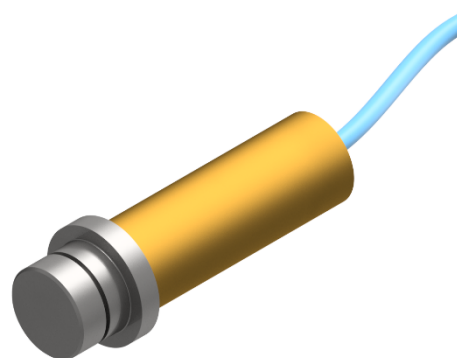


## FLUSH MOUNT PRESSURE TRANSDUCER

### MP49

#### GENERAL

- **Flush mountable, miniature, low cost** pressure transducers
- Sensing head made of **corrosive resistant steel 17-4 PH** – excellent performances with most corrosive media
- Sensor's body made of **brass**
- **Quick recovery** from large thermal transients
- High pressure over-range with **no balance shift**
- Compatible with Micron's pressure fittings and calibration adaptors



#### MECHANICAL

Standard pressure ranges	20	35	70	200	bar
	300	500	1000	3000	psi

Over Pressure (No change out of spec.)	2 x Range
Usable Pressure (Small change in balance)	3 x Range
Burst Pressure	6 x Range

#### PERFORMANCE

##### ALL VALUES MAXIMUM

Balance (Zero)	$\pm 3.00$	mV
Full Scale Sensitivity	$20 \pm 2.00$	mV/V
Static Error Band	$\pm 0.5$	% FS (BFSL)
Thermal Balance (Zero) Shift	$\pm 0.036$	% FS/°C
Thermal Sensitivity Shift	$\pm 0.036$	% FS/°C
Long Term Stability (std)	$< \pm 2$	% FS/yr

##### HAPTICA S.r.l.

# FLUSH MOUNT PRESSURE TRANSDUCER

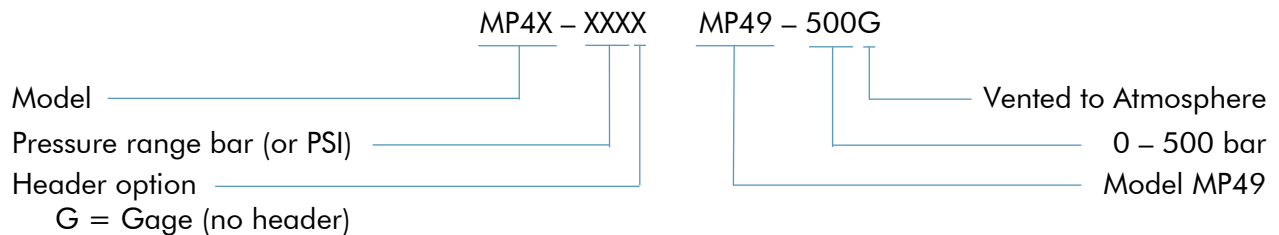
## ENVIRONMENTAL

Storage and Operating Temperature	-20°C to +80° C
Compensated Temperature Range (Consult factory for other ranges)	0°C to +55°C
Acceleration (Consult factory for high vibration options)	100g's any axis
Media Compatibility (wetted surface)	17-4PH Steel

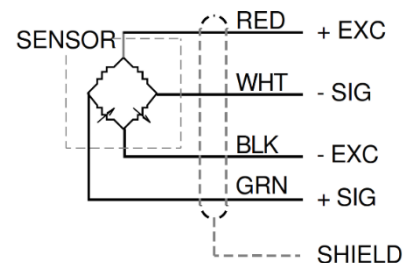
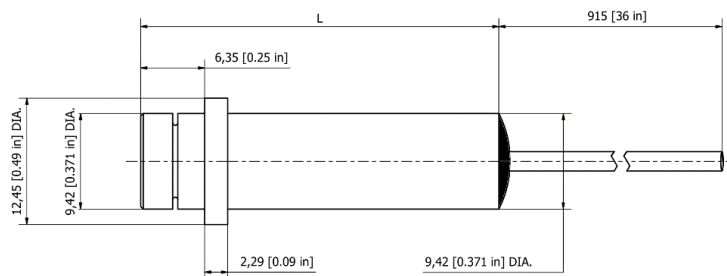
## ELECTRICAL

Input Constant Voltage Excited [V DC or AC]	5.0
Maximum Voltage (for short periods) [V]	30
Input Resistance [ $\Omega$ ]	1400 $\pm$ 400
Output Resistance [ $\Omega$ ]	850 $\pm$ 200
Insulation Resistance Minimum @50 VDC [M $\Omega$ ]	50

## ORDERING FORMAT



## OUTLINE



### HAPTICA S.r.l.

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