

## PROBE-TYPE PRESSURE TRANSMITTER

### MP 102

#### GENERAL

- **Small diameter, high stability** (water/liquid level) pressure transducers for remote interrogation (dams, wells)
- **Automatic compensation** for line resistance and power supply changes
- Made of **corrosive resistant titanium** (6AL4V) – excellent performances with corrosive media
- **Absolute** or **sealed reference** options
- **Long term stability** versions
- Available with cable lengths **up to 300 meters**; greater lengths are possible through splicing
- **Titanium armor** at the cable exit to improve cable pull strength while retaining a liquid seal
- Available with **moisture insulator** located near the end of the cable to eliminate inter-conductor condensation.



#### MECHANICAL

Standard pressure ranges	1	2	3.5	7	15	20	bar
	15	25	50	100	200	300	psi

Other possible pressure ranges	Consult Factory
Over Pressure (No change out of spec.)	2 x Range
Usable Pressure (Small change in balance)	3 x Range
Burst Pressure	6 x Range

#### HAPTICA S.r.l.

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## PERFORMANCE

OPTIONS (ALL VALUES MAXIMUM)

Performance Option	A	B	C	D	E	
Balance (Zero)	4.00 ± 0.5	4.00 ± 0.3	4.00 ± 0.2	4.00 ± 0.5	4.00 ± 0.80	mA
Full Scale Sensitivity	16 ± 0.5	16 ± 0.3	16 ± 0.2	16 ± 0.5	16 ± 0.80	mA
Static Error Band	± 0.50	± 0.25	± 0.100	± 0.250	± 0.50	% FS (BFSL)
Thermal Balance (Zero) Shift	± 0.036	± 0.018	± 0.009	± 0.009	± 0.036	% FS/°C
Thermal Sensitivity Shift	± 0.036	± 0.018	± 0.009	± 0.009	± 0.036	% FS/°C
Long Term Stability (std)	< ± 2	< ± 2	< ± 2	< ± 2	< ± 2	% FS/yr

## ENVIRONMENTAL

Storage and Operating Temperature

Compensated Temperature Range (Consult factory for other ranges)

Acceleration (Consult factory for high vibration options)

Media Compatibility (wetted surface)

-54°C to +93° C

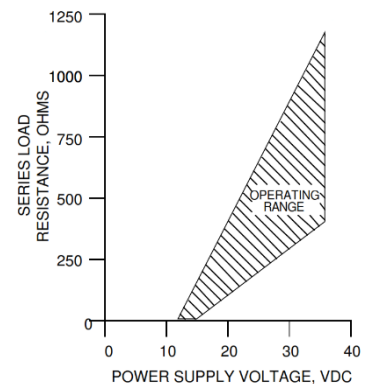
0°C to +55°C

100g's any axis

Titanium 6AL4V

## ELECTRICAL

Input Constant Voltage Range [V DC]	12 - 32
Standard Calibration Voltage [V DC]	24
Other Calibration Voltage	Consult factory
Maximum Voltage (for short periods) [V]	30 V
Load Resistance [Ω]	500
Other Load Resistances	Consult factory
Insulation Resistance Minimum @50 VDC [MΩ]	50



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