

# 1703 Series - Immersible Fixed Range Low Pressure Transmitters

PRESSURE TRANSDUCERS

LOW RANGE PRODUCTS

- Pressure ranges from 1mWG to 10mWG
- 316 S/S Diaphragm
- Voltage and current output models

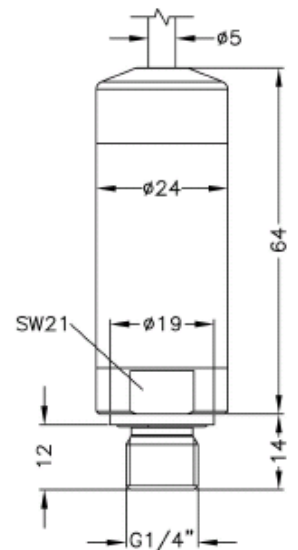
The Gems 1703 low range immersible transmitter is ideal for level measurement in water and fuel oil tanks. Featuring a s/s diaphragm and case the 1703 is immersible to IP68 10m. The unit can be fitted either externally using a G1/4 thread or lowered directly into the media and offers a cost effective solution to level measurement in fuel tanks for generators in remote areas or on standby.



### Specifications

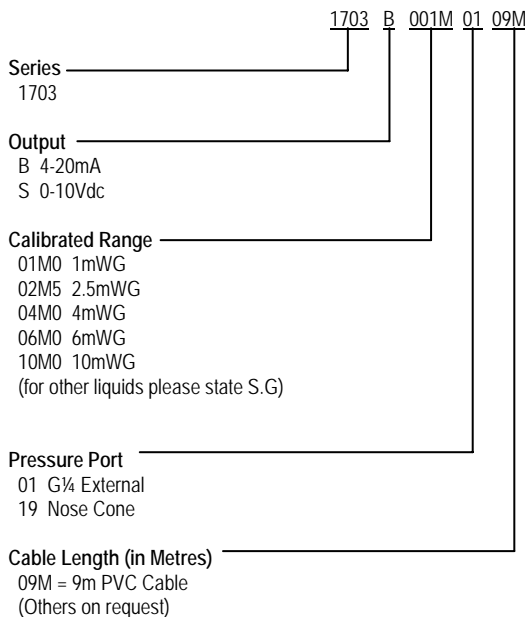
Input	
Pressure Range	100mbar to 1 barG
Proof Pressure	>2 x full scale
Burst Pressure	>2 x full scale
Fatigue Life	Designed for more than 100 million cycles
Performance	
Long term drift	<±0.1% span/minimum
Accuracy	<±0.5% span
Thermal error	1% 0° to 40°C
Compensated temperatures	0° to 40°C
Operating temperatures	Media -10°C to 70°C storage -25°C to 70°C
Zero tolerance	±0.5% of span
Span tolerance	±0.5% of span
Mechanical Configuration	
Pressure port	See ordering chart
Wetted parts	316 S/S, 303 S/S, Viton
Electrical connection	PVC Cable, others on request
Enclosure	IP68
Vibration	10g rms, 20-2000Hz
Acceleration	10g
Shock	100g 11ms
Weight	85g
Voltage Output Units	
Supply voltage (Vs)	8 to 32Vdc
Supply voltage sensitivity	0.05% FS/Volt
Min. load resistance	10Kohm
Current consumption	7mA max
Current Output Units	
Output	4-20mA 2 wire
Supply voltage (Vs)	12 to 36Vdc
Supply voltage sensitivity	0.005% FS/Volt
Max. loop resistance	(vs-12) x 50 ohms

### DIMENSIONS (in mm)



G1/4" DIN 3852 with cable outlet<sup>2</sup>(IP 68)

### Ordering Code



www.gemssensors.com