



## Measurement Solutions 1300 Series Pressure Transducers Nylon Housing, Amplified Output Small Size, Low Cost



### Pressure measurement ranges (PSI):

3, 5, 7, or 10 Bar (43.5 – 145.5 PSI) (other ranges available).  
Reference: Gauge.

### Specifications:

Excitation: 5 VDC;  
Output: 0.5 – 4.5 VDC;  
Accuracy: +/- 0.50% (RSS non-linearity, non-repeatability, & hysteresis);  
Over-Pressure: 150% FS; Burst: 200% FS;  
Response Time: 20 mSec;  
Thermal Effects: Zero / Span shift: 0.02%FS / F (over +15 to +120 F).  
Long-term Stability: 0.5%FS / 1 year  
Fatigue Life: 1 Million Cycles.  
Vibration: 10G max to 500 Hz.

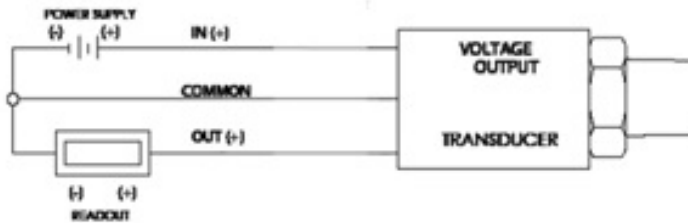
### Pressure port:

Thread: G1/4 Male, or, 1/4" NPT Male with optional stainless steel adapter;  
Wetted materials: Nylon, Ceramic, FKM (Viton) O-Ring;

**Electrical:**

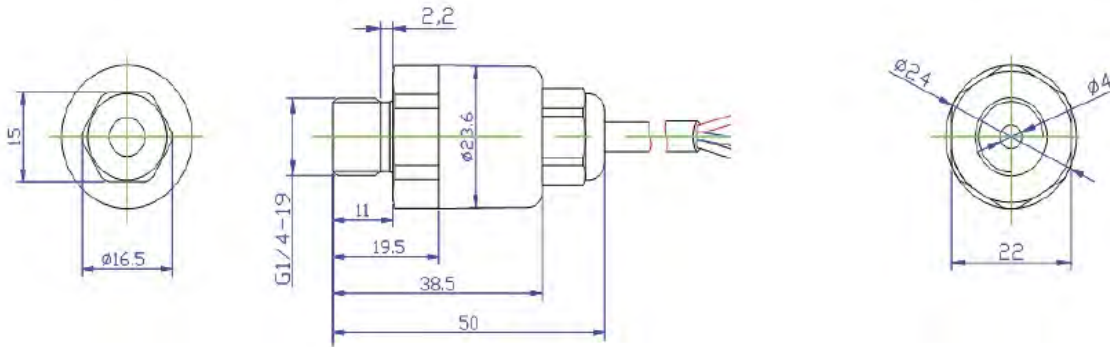
0.5M: Cable Gland. Color Code: Red= +Power, Blue= +Signal, Black= Common;  
 (other lengths available).

**Wiring diagram:**



**Dimensions (Typical, depending on exact p/n):**

104 mm Max length (including pressure port & mating connector) x 22 mm diameter.



**Ordering Information:**

MSPT13-[range][reference]-[output]-[fitting]-[electrical]-[option 1]-[option 2]

Example 1: 10 Bar range (145.5 PSI), Gauge reference, 0.5 – 4.5 VDC output,  
 G1/4 Male pressure port, 0.5 meter long cable, and, 0.50% error band:

P/N: MSPT13-10BG-5V-G14-0.5M

Example 2: 3 Bar range (43.5 PSI), Gauge reference, 0.5 – 4.5 VDC output,  
 G1/4 Male pressure port, 0.5 meter long cable, and, 0.50% error band:

P/N: MSPT13-3BG-5V-G14-0.5M

**Please make Purchase Order, and, REMIT to:**

Measurement Solutions  
 6042 E. Vermillion Cir.  
 Mesa, AZ 85215  
 480-897-0300  
[orders@measol.com](mailto:orders@measol.com)  
[www.MEASOL.com](http://www.MEASOL.com)

Specifications subject to change