



## Description & Features:

- Ideal for all applications with vibration and pulsation
- Compact, all stainless steel construction
- Available ranges from low pressure up to 15,000 psi (1,000 Bar)
- Wide range of mechanical and electrical connections
- $\pm 0.5\%$  accuracy
- Fully protected against dust and water, IP65 and IP67
- Built-in restrictor screw to safeguard electronics
- 5 year warranty

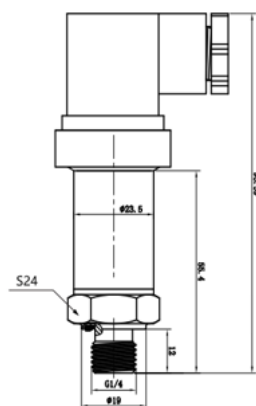
## Applications:

- Suitable for commercial, industrial and process installations where vibration is prevalent

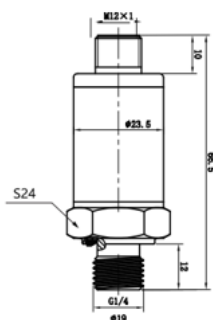
| Specifications                   |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Output Signal                    | 4...20 mA, 2-wire / Vs = 12-30 Vdc<br>0...10 Vdc, 3-wire / Vs = 12-30 Vdc<br>0...5 Vdc, 3-wire / Vs = 12-30 Vdc |
| Load Consumption                 | Current Output: $RL \leq (U_s - 12)/20k\Omega$ , Voltage Output: $RL > 10 k\Omega$                              |
| Response Time                    | 1 ms (10%...90%)                                                                                                |
| Accuracy                         | $\pm 0.5\%$ Full Scale Output                                                                                   |
| Long-Term Stability              | $\pm 0.02\%$ FSO                                                                                                |
| Wetted Parts                     | All stainless steel with 17-4 PH welded sensor                                                                  |
| Process Connection               | NPT and G connections                                                                                           |
| Shock                            | 100 g's 11 ms                                                                                                   |
| Vibration                        | 20 g's 20 to 5,000 Hz                                                                                           |
| Storage Temperature              | -40 to 125 deg C (-40 to 257 deg F)                                                                             |
| Media Temperature                | -40 to 125 deg C (-40 to 257 deg F)                                                                             |
| Reverse Polarity Protection      | Yes                                                                                                             |
| Electrical Connections           | DIN 43650, M12, Packard, Cable Outlet and others on request                                                     |
| Enclosure Rating                 | DIN 43650 IP65, M12 & Cable Outlet IP67                                                                         |
| Operation Life                   | 10 million cycles                                                                                               |
| Proof and Burst Pressure Ratings | Maximum Working Pressure @ 2X, Burst Pressure @ 5X Full Scale                                                   |

## Dimension (Unit:mm)

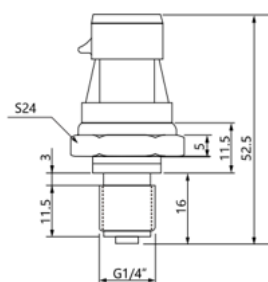
DIN43650



M12\*1(4 pin)



Compact Type (Only 0.5-4.5V Output)



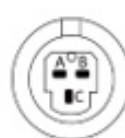
## Electrical Connection



DIN 43650



M12\*1



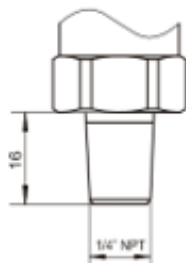
Packard

| Terminal | 2-wire    | 3-wire    |
|----------|-----------|-----------|
| 1        | Power "+" | Power "+" |
| 2        | Signal    | Signal    |
| 3        |           | Power "-" |

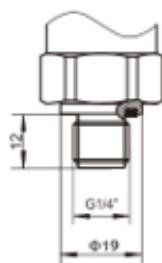
| Terminal | 2-wire    | 3-wire    |
|----------|-----------|-----------|
| 1        | Power "+" | Power "+" |
| 2        | Signal    | Signal    |
| 3        |           |           |
| 4        |           | Power "-" |

| Terminal | 3-wire    |
|----------|-----------|
| A        | Power "-" |
| B        | Power "+" |
| C        | Signal    |

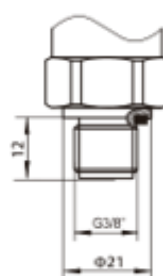
## Process Connection (mm)



1/4" NPT



G1/4" DIN3852



G3/8" DIN3852

## Order Codes

| Range                              | Proof Pressure (psi) | 4/20 mA 17-4 OG SS,<br>1/4" NPT Process, 0.5% Acc |                         |
|------------------------------------|----------------------|---------------------------------------------------|-------------------------|
|                                    |                      | DIN 43650 A                                       | Cable Outlet<br>(1M/3') |
| 0-150 PSI (0-10 BAR), UL listed    | 300                  | LMH1103S5GN47P                                    | LMH1TR3S5GN47P          |
| 0-200 PSI (0-15 BAR), UL listed    | 400                  | LMH1104S5GN47P                                    | LMH1TR4S5GN47P          |
| 0-230 PSI (0-16 BAR), UL listed    | 460                  | LMH1105S5GN47P                                    | LMH1TR5S5GN47P          |
| 0-300 PSI (0-20 BAR), UL listed    | 600                  | LMH1106S5GN47P                                    | LMH1TR6S5GN47P          |
| 0-360 PSI (0-25 BAR), UL listed    | 720                  | LMH1107S5GN47P                                    | LMH1TR7S5GN47P          |
| 0-500 PSI (0-35 BAR), UL listed    | 1,000                | LMH1108S5GN47P                                    | LMH1TR8S5GN47P          |
| 0-580 PSI (0-40 BAR), UL listed    | 1,160                | LMH1109S5GN47P                                    | LMH1TR9S5GN47P          |
| 0-725 PSI (0-50 BAR), UL listed    | 1,450                | LMH1101T5GN47P                                    | LMH1TR1T5GN47P          |
| 0-870 PSI (0-60 BAR), UL listed    | 1,740                | LMH1102T5GN47P                                    | LMH1TR2T5GN47P          |
| 0-1,000 PSI (0-70 BAR), UL listed  | 2,000                | LMH1103T5GN47P                                    | LMH1TR3T5GN47P          |
| 0-1,500 PSI (0-100 BAR), UL listed | 3,000                | LMH1104T5GN47P                                    | LMH1TR4T5GN47P          |
| 0-2,000 PSI (0-150 BAR), UL listed | 4,000                | LMH1105T5GN47P                                    | LMH1TR5T5GN47P          |
| 0-2,300 PSI (0-160 BAR), UL listed | 4,600                | LMH1106T5GN47P                                    | LMH1TR6T5GN47P          |
| 0-3,000 PSI (0-200 BAR), UL listed | 6,000                | LMH1107T5GN47P                                    | LMH1TR7T5GN47P          |
| 0-3600 PSI (0-250 BAR)             | 7,200                | LMH1108T5GN47P                                    | LMH1TR8T5GN47P          |
| 0-4000 PSI (0-300 BAR)             | 8,000                | LMH1109T5GN47P                                    | LMH1TR9T5GN47P          |
| 0-5,000 PSI (0-350 BAR)            | 10,000               | LMH1101U5GN47P                                    | LMH1TR1U5GN47P          |
| 0-6,000 PSI (0-400 BAR)            | 12,000               | LMH1102U5GN47P                                    | LMH1TR2U5GN47P          |
| 0-7500 PSI (0-520 BAR)             | 15,000               | LMH1103U5GN47P                                    | LMH1TR3U5GN47P          |
| 0-9000 PSI (0-600 BAR)             | 18,000               | LMH1104U5GN47P                                    | LMH1TR4U5GN47P          |
| 0-10,000 PSI (0-700 BAR)           | 20,000               | LMH1105U5GN47P                                    | LMH1TR5U5GN47P          |
| 0-15,000 PSI (0-1,000 BAR)         | 30,000               | LMH1106U5GN47P                                    | LMH1TR6U5GN47P          |

## Series Number (how to order)

### LMH Engineering Codes

#### OUTPUT

4...20 mA, 2-wire  
0...10 Vdc, 3-wire  
0...5 Vdc, 3-wire  
0.5...4.5 Vdc, 3-wire, ratiometric output

#### ELECTRICAL CONNECTION

Cable Outlet, PVC Shielded & jacketed #24 AWG (1 meter), IP67  
M12 circular male connector, IP67  
DIN 43650 Type A, IP65  
Packard (compact), IP65

#### SERIES PRESSURE RANGE (PSI)

0-150 PSI (0-10 BAR)  
0-200 PSI (0-15 BAR)  
0-230 PSI (0-16 BAR)  
0-300 PSI (0-20 BAR)  
0-360 PSI (0-25 BAR)  
0-500 PSI (0-35 BAR)  
0-580 PSI (0-40 BAR)  
0-725 PSI (0-50 BAR)  
0-870 PSI (0-60 BAR)  
0-1,000 PSI (0-70 BAR)  
0-1,500 PSI (0-100 BAR)  
0-2,000 PSI (0-150 BAR)  
0-2,300 PSI (0-160 BAR)  
0-3,000 PSI (0-200 BAR)  
0-3600 PSI (0-250 BAR)  
0-4000 PSI (0-300 BAR)  
0-5,000 PSI (0-350 BAR)  
0-6,000 PSI (0-400 BAR)  
0-7500 PSI (0-520 BAR)  
0-9000 PSI (0-600 BAR)  
0-10,000 PSI (0-700 BAR)  
0-15,000 PSI (0-1,000 BAR)

#### ACCURACY

0.5% Gauge pressure

#### PROCESS CONNECTION

1/4" NPT male  
1/2" NPT male  
G 1/4" male  
G 1/2" male

#### SEAL

17-4 PH Stainless Steel all welded  
316L Stainless Steel all welded

#### SPECIAL

PSI pressure range (standard scale, do not need to include in p/n)  
BAR pressure range  
Additional 6 ft (2m) PVC cable  
Additional 10 ft (3m) PVC cable  
Additional 15 ft (4.5m) PVC cable  
Special

LMH - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

1  
3  
6  
R

T R  
M 0  
1 0  
M 1

3 S  
4 S  
5 S  
6 S  
7 S  
8 S  
9 S  
1 T  
2 T  
3 T  
4 T  
5 T  
6 T  
7 T  
8 T  
9 T  
1 U  
2 U  
3 U  
4 U  
5 U  
6 U

5 G

N 4  
N 2  
G 4  
G 2

7 P  
7 S

R 1  
R 1 1  
C L 1  
C L 2  
C L 3  
Z # #