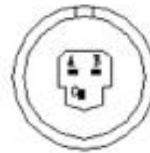
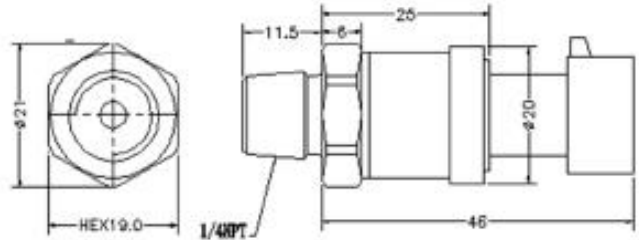


**CALTROP INSTRUMENTS**  
A BRIDGE TO PERCEIVE THE WORLD



#### Electric Connection

Voltage output:

Pin A: E+  
Pin B: GND  
Pin C: 0+

Current output:

Pin A: +(Input)  
Pin B: -(Output)  
Pin C: Blank

#### Features:

- Connector output
- Oil filled MEMS base
- Range: 0.4 to 70 bar
- Wide supply voltage compatible
- Digital thermal compensated
- Small size
- Total error band < 0.50% (typical)
- EMC protection

#### Applications:

- Process Automation & Control
- Energy and Water Management
- Engine & vehicle
- Hydraulic/Pneumatic Control Systems

## Specifications

| PART NUMBER                                         | HA6501        |
|-----------------------------------------------------|---------------|
| <b>Performance</b>                                  |               |
| Pressure range(FS)                                  | 0.4~70 bar    |
| Accuracy<br>(nonlinearity+hysteresis+repeatability) | ±0.1% FS      |
| Zero offset(@25°C)                                  | ±0.5% FSO     |
| Zero stability(typical)                             | ±0.2% FS/year |
| Span stability(typical)                             | ±0.1% FS/year |
| Response frequency                                  | >1KHz         |
| Insulation resistance(@250V)                        | >50MΩ         |

|                         |                             |
|-------------------------|-----------------------------|
| <b>Environmental</b>    |                             |
| Operate temperature     | -40 to 125°C                |
| Compensated temperature | -10 to 70°C                 |
| Overload                | >2 * FS                     |
| Wetted parts            | 1/4 NPT/BSP                 |
| Vibration limit         | 20 g@10~2000Hz              |
| Shock limit             | 100 g, 11ms pulse           |
| Media                   | #316L or #304 SS compatible |
| Housing                 | #304 SS                     |
| Pressure cycles         | 10 million FS cycles        |
| Sealing(cable)          | IP67                        |
| Sealing(connector)      | IP65                        |
| Electrical connection   | Packard connector           |

Total error band including: Zero, Span, Non-linearity, Temperature error within compensated temperature range.

EMC: EN55022:ClassA&B; Meet IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-6; IEC61000-4-9

| Output type       | B<br>(Ratiometric) | C<br>(4~20mA) | G<br>(0~5VDC) |
|-------------------|--------------------|---------------|---------------|
| Supply Voltage    | 4.75 ~ 5.25 VDC    | 8 ~ 30 VDC    | 8 ~ 30 VDC    |
| Output            | 0.5 ~ 4.5 VDC      | 4 ~ 20 mA     | 0 ~ 5 VDC     |
| Supply Current    | < 3 mA             | < 30 mA       | < 3 mA        |
| Zero Output       | 0.5 VDC            | 4 mA          | 0 VDC         |
| Full Scale Output | 4.5 VDC            | 20 mA         | 5 VDC         |

本文件中包含的数据仅供技术培训人员使用。

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