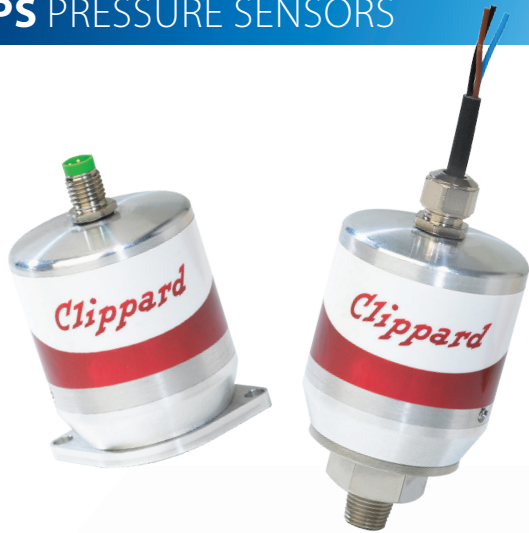


CPS PRESSURE SENSORS



These piezoresistive silicone pressure sensors can either be used as feedback for the Cordis pressure controller or as standalone transducers. They are conditioned and offer a customized calibration around your specific application requirements, which allows for a full-scale accuracy of 0.25% over the calibrated range.

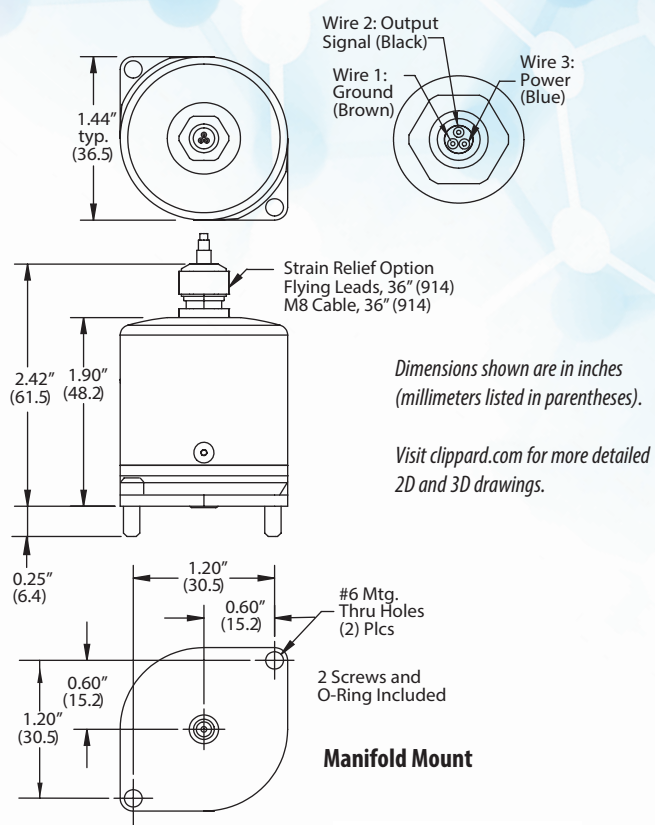
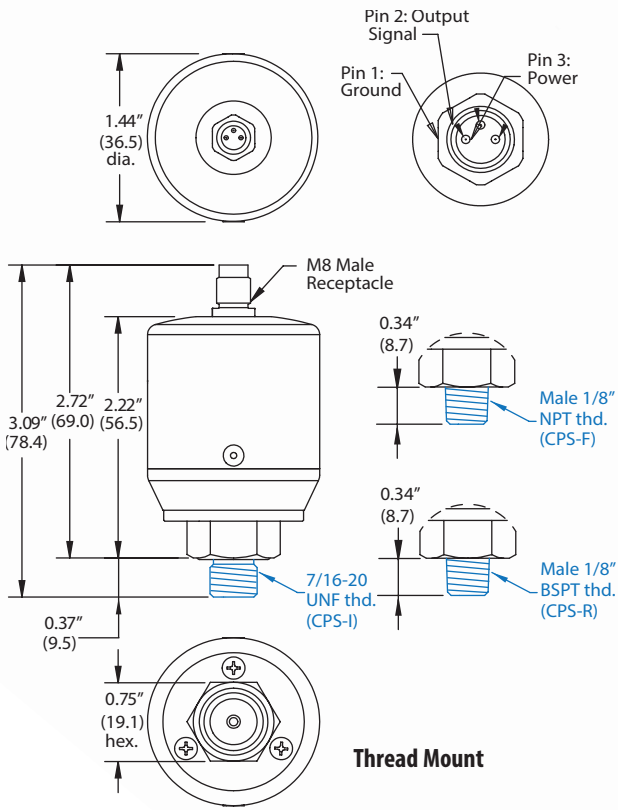
Multiple mounting options enable the sensor to be placed downstream or in a remote location from the pressure controller. This creates a quicker response and helps avoid any lag in the system.

The manifold mount option lends itself well to analytical value-added assemblies. All wetted materials are oxygen compatible and manifold mounting eliminates any possible contamination during assembly.

- Standalone unit or used in conjunction with Cordis pressure controller
- Downstream sensor feedback
- Multiple VDC signal outputs
- Static or dynamic applications
- Multiple electrical connection options
- Customizable pressure ranges and mounting options
- IP65

Accuracy	±0.25% of full scale
Calibrated Pressure Range	Vac. to 150 psig (10.3 bar)
Current Draw	<20 mA (<i>sensor only</i>)
Linearity	±0.25% BFSL
Material, Wetted	Body: Aluminum Fitting: ENP Brass Manifold: Anodized aluminum O-rings: FKM Sensor: Polyamide
Medium	Clean, dry, non-corrosive gases
Mounting Attitude	Any
Operating Temperature	32 to 158°F (0 to 70°C)
Porting	1/8 NPT, 7/16-20, manifold or male 1/8" BPST
Protection Rating	IP65
Response Time	<5 ms
Signal Output	0 to 5, 0 to 10, or 0.5 to 4.5 VDC
Supply Voltage	12 to 24 VDC
More Details	clippard.com/link/cordis-cps





Dimensions shown are in inches (millimeters listed in parentheses).

Visit clippard.com for more detailed 2D and 3D drawings.

ORDERING INFORMATION



Sensor Mounting

- F Male 1/8" NPT
- I 7/16-20 UNF
- M Manifold
- R Male 1/8 BSPT

Electrical Connection

- A Flying Leads, 36" (0.9 meter)
- B M8 Cable, 36" (for use with CPC-Z only)
- C M8 Male 3-Pin Connector

Signal Output

- F 0 to 5 VDC
- E 0 to 10 VDC
- G 0.5 to 4.5 VDC

Example Part Number:
CPS-FAE-A-AP0.00P0.00

Unit of Measure

- A psig
- B bar
- C psia
- D mBar
- E inHg
- F mmHg
- G Torr
- H H₂O
- I kPA

CUSTOM CALIBRATED RANGE

Offset - Low

0.00 Low End (manual entry)

Calibrated High

0.00 High End (manual entry)

±Pressure

- P Positive
- V Vacuum

±Pressure

- P Positive
- V Vacuum

Standard Calibrated Range

- | | |
|-----------------|---------------------------------|
| A 0 to 1 psig | M 0 to 7 bar |
| B 0 to 5 psig | N 0 to 10 bar |
| C 0 to 15 psig | O 0 to 15 psia |
| D 0 to 30 psig | P 0 to 30 psia |
| E 0 to 60 psig | Q 0 to 100 psia |
| F 0 to 100 psig | R -5 to +5 psid |
| G 0 to 150 psig | S -15 to +15 psid |
| I 0 to 0,5 bar | T 0 to 10" H ₂ O |
| J 0 to 1 bar | U -10" to +10" H ₂ O |
| K 0 to 2 bar | V 0 to 4" H ₂ O |
| L 0 to 4 bar | W -1 to +1 psid |

Ordering information shown here is for a **standalone** CPS sensor.

To configure a housed CPC unit with an **external** CPS sensor, see p. 7 (Type Z)

For more information, scan the QR code or visit clippard.com/link/cordis-cps



ACCESSORIES

CPSH-C1 Mating Cable, 36" (0.9 meter) (for "C" electrical connection only)