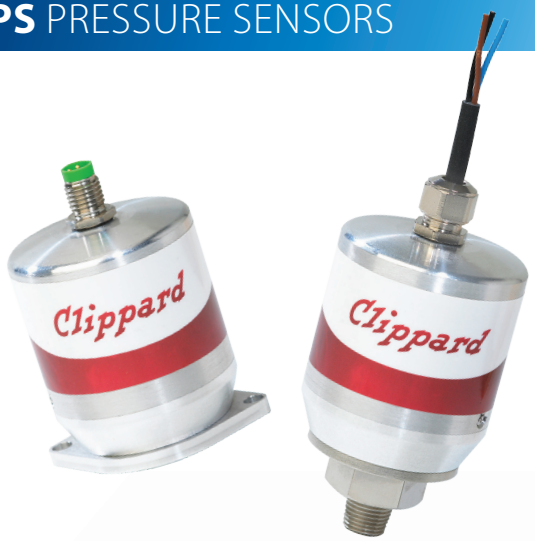
CPS PRESSURE SENSORS



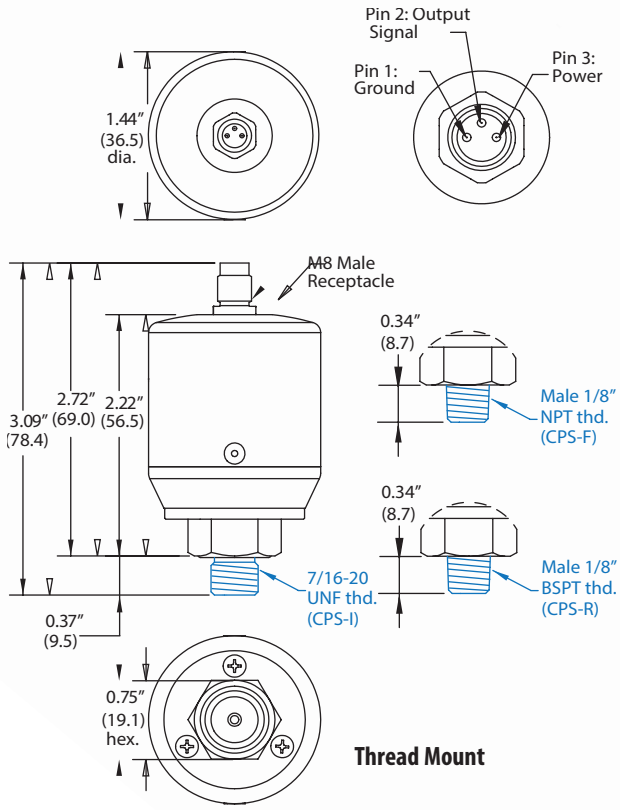
These piezoresistive silicone pressure sensors can either be used as feedback for the Cordis pressure controller or as standalone transducers. They are conditioned and offer a customized calibration around your specific application requirements, which allows for a full-scale accuracy of 0.25% over the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

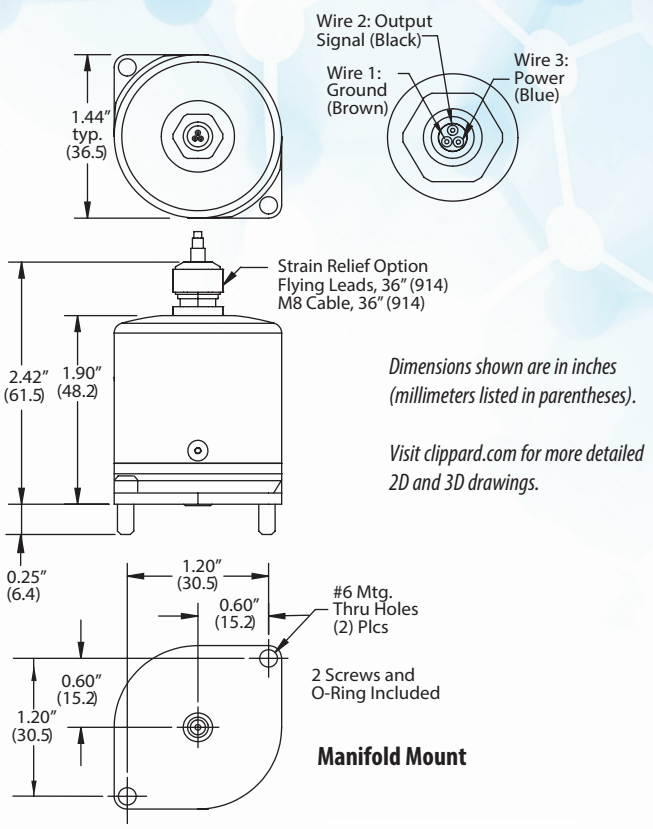
Multiple mounting options enable the sensor to be placed downstream or in a remote location from the pressure controller. This creates a quicker response and helps avoid any lag in the system.

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.

Accuracy	±0.25% of full scale
Calibrated Pressure Range	Vac. to 150 psig (10.3 bar)
Current Draw	<20 mA *(sensor only)*
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**

- **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**





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

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

ORDERING INFORMATION

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CUSTOM CALIBRATED RANGE

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

Unit of Measure

A	psig
B	bar
C	psia
D	mBar
E	inHg
F	mmHg
G	Torr
H	H_2O
I	kPA

±Pressure

P	Positive
V	Vacuum

Offset - Low

0.00 Low End *(manual entry)*

±Pressure

P	Positive
V	Vacuum

Calibrated High

0.00 High End *(manual entry)*

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" H20
J	0 to 1 bar	U	-10" to +10" H20
K	0 to 2 bar	V	0 to 4" H20
L	0 to 4 bar	W	-1 to +1 psid

Example Part Number:

CPS-FAE-A

or CPS-FAE-A-AP0.00P0.75

*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)*

ACCESSORIES

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

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