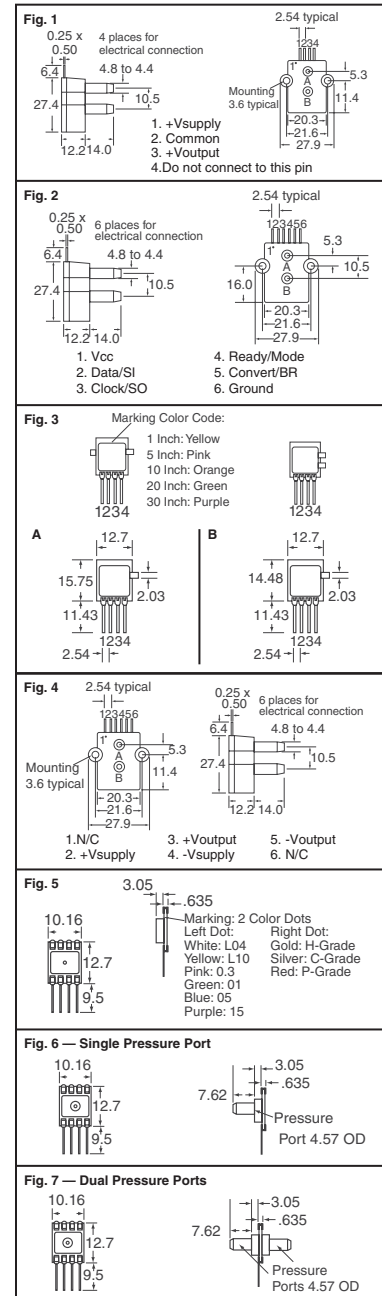


# ALL SENSORS Pressure Sensors

Fig.	Pressure	Pressure Type	Output	Supply (VDC)	Compensated Temperature	Operating Temperature	Digi-Key Part No.	1	Price Each	25	100	All Sensors Part No.							
<b>Amplified with Voltage Reference Low Pressure</b>																			
1	0-20	In H <sub>2</sub> O	4V	5.5 - 16	5°C - 50°C	-25°C - 85°C	442-1008-ND	99.00	75.00	72.00		20 INCH-G-4V-REF							
<b>Amplified Low Pressure</b>																			
1	±1 ±1 0-1 ±5 0-5 ±10 0-10 0-20 ±30	mbar In H <sub>2</sub> O In H <sub>2</sub> O In H <sub>2</sub> O In H <sub>2</sub> O	4V	3 - 6	5°C - 50°C	-25°C - 85°C	442-1011-ND	180.00	126.00	112.50		1 MBAR-D-4V							
							442-1012-ND	110.00	77.00	68.75	1 INCH-D-4V								
							442-1013-ND	120.00	84.00	75.00	1 INCH-G-4V								
							442-1014-ND	110.00	77.00	68.75	5 INCH-D-4V								
							442-1015-ND	110.00	77.00	68.75	5 INCH-G-4V								
							442-1016-ND	110.00	77.00	68.75	10 INCH-D-4V								
442-1017-ND	110.00	77.00	68.75	10 INCH-G-4V															
442-1019-ND	110.00	77.00	68.75	20 INCH-G-4V															
442-1020-ND	110.00	77.00	68.75	30 INCH-D-4V															
<b>Amplified Middle Pressure</b>																			
1	±0.3 0-0.3	PSID PSIG	4V	3 - 7	5°C - 50°C	-25°C - 85°C	442-1022-ND	100.00	70.00	62.50		0.3 PSI-D-4V							
							442-1023-ND	100.00	70.00	62.50		0.3 PSI-G-4V							
<b>Barometric Pressure</b>																			
1	600-1100	mbar	4V	4.5 - 5.5	5°C - 50°C	-40°C - 125°C	442-1089-ND	100.00	70.00	62.50		BARO-A-4V							
2	600-1100	mbar	Digital/ Serial	7	-20°C - 85°C	-40°C - 125°C	442-1097-ND	280.00	—	—		BARO-D0							
							442-1098-ND	540.00	—	—		BARO-D0-MIL							
3A	600-1100	mbar	4.5 - 5.5V	4.5 - 75.5	5°C - 50°C	-25°C - 85°C	442-1092-ND	110.00	77.00	68.75		BARO-A-4V-MINI							
							442-1095-ND	180.00	126.00	112.50		BARO-A-4V-MINI-PRIME							
<b>Millivolt Output C-Grade Pressure</b>																			
4	0-0.3 0-1	PSID PSID	20mV 18mV	16	0°C - 70°C	-25°C - 85°C	442-1029-ND	50.00	35.00	31.25		0.3 PSI-D-CGRADE-MV							
							442-1030-ND	50.00	35.00	31.25		1 PSI-D-CGRADE-MV							
<b>Millivolt Output H-Grade Pressure</b>																			
4	0-1 0-5 0-15 0-15	PSID PSID PSID PSIA	18mV 60mV 90mV 60mV	16	0°C - 70°C	-25°C - 85°C	442-1033-ND	56.00	39.20	35.00		1 PSI-D-HGRADE-MV							
							442-1034-ND	44.00	30.80	27.50	5 PSI-D-HGRADE-MV								
							442-1035-ND	44.00	30.80	27.50	15 PSI-D-HGRADE-MV								
							442-1036-ND	44.00	30.80	27.50	15 PSI-A-HGRADE-MV								
<b>Millivolt Output Low Pressure</b>																			
4	0-1 0-5 0-10 0-20 0-30	In H <sub>2</sub> O	10mV 20mV 20mV 20mV 20mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1037-ND	80.00	56.00	50.00		1 INCH-D-MV							
							442-1038-ND	74.00	51.80	46.25	5 INCH-D-MV								
							442-1039-ND	74.00	51.80	46.25	10 INCH-D-MV								
							442-1040-ND	74.00	51.80	46.25	20 INCH-D-MV								
							442-1041-ND	74.00	51.80	46.25	30 INCH-D-MV								
<b>Millivolt Output Prime Grade Pressure</b>																			
4	0-0.3 0-1	PSID PSID	20mV 18mV	16	0°C - 70°C	-25°C - 85°C	442-1042-ND	64.00	44.80	40.00		0.3 PSI-D-PRIME-MV							
							442-1043-ND	64.00	44.80	40.00		1 PSI-D-PRIME-MV							
<b>Miniature Basic Offset Compensated Pressure</b>																			
3B	0-1 0-10 0-20 0-1 0-5 0-10 0-30 0-1 0-5 0-10 0-20 0-30	In H <sub>2</sub> O	4.0 - 10.0mV 15 - 45mV 15 - 45mV 4.0 - 10.0mV 15 - 30mV 15 - 45mV 15 - 45mV 4.0 - 10.0mV 15 - 30mV 15 - 45mV 15 - 45mV	6	0°C - 70°C	-25°C - 85°C	442-1045-ND	50.00	35.00	31.25		1 INCH-G-BASIC							
							442-1051-ND	50.00	35.00	31.25	10 INCH-G-BASIC								
							442-1054-ND	50.00	35.00	31.25	20 INCH-G-BASIC								
							442-1046-ND	50.00	35.00	31.25	1 INCH-D1-BASIC								
							442-1049-ND	50.00	35.00	31.25	5 INCH-D1-BASIC								
							442-1052-ND	50.00	35.00	31.25	10 INCH-D1-BASIC								
							442-1058-ND	50.00	35.00	31.25	30 INCH-D1-BASIC								
							442-1047-ND	50.00	35.00	31.25	1 INCH-D2-BASIC								
							442-1050-ND	50.00	35.00	31.25	5 INCH-D2-BASIC								
							442-1053-ND	50.00	35.00	31.25	10 INCH-D2-BASIC								
							442-1056-ND	50.00	35.00	31.25	20 INCH-D2-BASIC								
							442-1059-ND	50.00	35.00	31.25	30 INCH-D2-BASIC								
<b>Miniature Low Pressure</b>																			
3B	0-5 0-10 0-30 0-5 0-20 0-30 0-5 0-10 0-20 0-30	In H <sub>2</sub> O	19 - 21mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1077-ND	70.00	49.00	43.75		5 INCH-G-MV-MINI							
							442-1080-ND	70.00	49.00	43.75	10 INCH-G-MV-MINI								
							442-1086-ND	70.00	49.00	43.75	30 INCH-G-MV-MINI								
							442-1078-ND	70.00	49.00	43.75	5 INCH-D1-MV-MINI								
							442-1084-ND	70.00	49.00	43.75	20 INCH-D1-MV-MINI								
							442-1087-ND	70.00	49.00	43.75	30 INCH-D1-MV-MINI								
							442-1079-ND	70.00	49.00	43.75	5 INCH-D2-MV-MINI								
							442-1082-ND	70.00	49.00	43.75	10 INCH-D2-MV-MINI								
							442-1085-ND	70.00	49.00	43.75	20 INCH-D2-MV-MINI								
							442-1088-ND	70.00	49.00	43.75	30 INCH-D2-MV-MINI								
							<b>Miniature H-Grade Pressure</b>												
							5	0-4 0-0.3 0-10 0-1 0-5 0-15	In H <sub>2</sub> O PSIG PSIG PSIG PSIA	24 - 26mV 19 - 21mV 19 - 21mV 17.82 - 18.18mV 59.4 - 60.6mV 89.1 - 90.9mV	16	0°C - (50) 70°C	-25°C - 85°C	442-1060-ND	60.00	42.00	37.50		4 INCH-G-HGRADE-MINI
442-1063-ND	60.00	42.00	37.50	0.3 PSI-G-HGRADE-MINI															
442-1066-ND	60.00	42.00	37.50	10 INCH-G-HGRADE-MINI															
442-1069-ND	60.00	42.00	37.50	1 PSI-G-HGRADE-MINI															
442-1072-ND	50.00	35.00	31.25	5 PSI-G-HGRADE-MINI															
442-1075-ND	50.00	35.00	31.25	15 PSI-A-HGRADE-MINI															
6	0-4 0-0.3 0-10 0-15	In H <sub>2</sub> O PSIG In H <sub>2</sub> O PSIA	24 - 26mV 19 - 21mV 19 - 21mV 89.1 - 90.9mV	16	0°C - (50) 70°C	-25°C - 85°C	442-1061-ND	60.00	42.00	37.50		4 INCH-GF-HGRADE-MINI							
							442-1064-ND	60.00	42.00	37.50	0.3 PSI-GF-HGRADE-MINI								
							442-1067-ND	60.00	42.00	37.50	10 INCH-GF-HGRADE-MINI								
							442-1076-ND	50.00	35.00	31.25	15 PSI-AF-HGRADE-MINI								
							442-1062-ND	60.00	42.00	37.50	4 INCH-D-HGRADE-MINI								
							442-1065-ND	60.00	42.00	37.50	0.3 PSI-D-HGRADE-MINI								
442-1071-ND	60.00	42.00	37.50	1 PSI-D-HGRADE-MINI															

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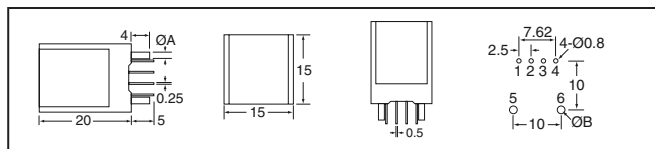


## CUI INC Current Sensor

The SCD series current sensors are PC board mounted, Hall effect, open-loop devices which output a voltage equivalent to the magnitude of current sensed.

Capable of detecting DC current and AC currents where ± input currents are represented as a + voltage only.

Pin Assignment	
Pin No.	Pin Name
1	+5V
2	NC
3	Output
4	0V
5	Input (+)
6	Input (-)



Rated Current (A)	Output Voltage (V)	Supply Voltage (V)	Input Current Polarity	Response	Operating Temperature	Mounting Hole Dimensions — mm	Digi-Key Part No.	1	Price Each	10	25	CUI Part No.
±3 ±20	4.5/0.5	5	± Bipolar ± Bipolar	3µS typical	-10°C - 75°C	0.6 1.7	102-1055-ND	26.03	20.82	17.70		SCD03PUR
							102-1059-ND	26.03	20.82	17.70	SCD20PUR	
3 5 10 15 20	4.5	5	+DC only +DC only +DC only +DC only +DC only	3µS typical	-10°C - 75°C	0.6 0.9 1.1 1.4 1.7	102-1050-ND	26.03	20.82	17.70		SCD03PUN
							102-1051-ND	26.03	20.82	17.70	SCD05PUN	
							102-1052-ND	26.03	20.82	16.66	SCD10PUN	
							102-1053-ND	26.03	20.82	17.70	SCD15PUN	
							102-1054-ND	26.03	20.82	17.70	SCD20PUN	

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