

# 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	71.87	54.45	52.28	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	130.68	91.48	81.68	1 MBAR-D-4V
							442-1012-ND	79.86	55.91	49.92	1 INCH-D-4V
							442-1013-ND	87.12	60.99	54.45	1 INCH-G-4V
							442-1014-ND	79.86	55.91	49.92	5 INCH-D-4V
							442-1015-ND	79.86	55.91	49.92	5 INCH-G-4V
							442-1016-ND	79.86	55.91	49.92	10 INCH-D-4V
442-1017-ND	79.86	55.91	49.92	10 INCH-G-4V							
442-1019-ND	79.86	55.91	49.92	20 INCH-G-4V							
442-1020-ND	79.86	55.91	49.92	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	72.60	50.82	45.38	0.3 PSI-D-4V
							442-1023-ND	72.60	50.82	45.38	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	72.60	50.82	45.38	BARO-A-4V
2	600-1100	mbar	Digital/ Serial	7	-20°C - 85°C	-40°C - 125°C	442-1097-ND	203.28	—	—	BARO-DD
							442-1098-ND	392.04	—	—	BARO-DD-MIL
3A	600-1100	mbar	4.5 - 5.5V	4.5 - 75.5	5°C - 50°C	-25°C - 85°C	442-1092-ND	79.86	55.91	49.92	BARO-A-4V-MINI
							442-1095-ND	130.68	91.48	81.68	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	36.30	25.41	22.69	0.3 PSI-D-CGRADE-MV
							442-1030-ND	36.30	25.41	22.69	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	40.66	28.46	25.41	1 PSI-D-HGRADE-MV
							442-1034-ND	31.94	22.37	19.97	5 PSI-D-HGRADE-MV
							442-1035-ND	31.94	22.37	19.97	15 PSI-D-HGRADE-MV
							442-1036-ND	31.94	22.37	19.97	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	58.08	40.66	36.30	1 INCH-D-MV
							442-1038-ND	53.72	37.61	33.58	5 INCH-D-MV
							442-1039-ND	53.72	37.61	33.58	10 INCH-D-MV
							442-1040-ND	53.72	37.61	33.58	20 INCH-D-MV
							442-1041-ND	53.72	37.61	33.58	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	46.46	32.53	29.04	0.3 PSI-D-PRIME-MV
							442-1043-ND	46.46	32.53	29.04	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	In H <sub>2</sub> O	4.0 - 10.0mV 15 - 45mV 15 - 45mV 4.0 - 10.0mV 15 - 30mV 15 - 45mV	6	0°C - 70°C	-25°C - 85°C	442-1045-ND	36.30	25.41	22.69	1 INCH-G-BASIC
							442-1051-ND	36.30	25.41	22.69	10 INCH-G-BASIC
							442-1054-ND	36.30	25.41	22.69	20 INCH-G-BASIC
							442-1046-ND	36.30	25.41	22.69	1 INCH-D1-BASIC
							442-1049-ND	36.30	25.41	22.69	5 INCH-D1-BASIC
							442-1052-ND	36.30	25.41	22.69	10 INCH-D1-BASIC
	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	6	0°C - 70°C	-25°C - 85°C	442-1058-ND	36.30	25.41	22.69	30 INCH-D1-BASIC
							442-1047-ND	36.30	25.41	22.69	1 INCH-D2-BASIC
							442-1050-ND	36.30	25.41	22.69	5 INCH-D2-BASIC
							442-1053-ND	36.30	25.41	22.69	10 INCH-D2-BASIC
							442-1056-ND	36.30	25.41	22.69	20 INCH-D2-BASIC
							442-1059-ND	36.30	25.41	22.69	30 INCH-D2-BASIC
<b>Miniature Low Pressure</b>											
3B	0-5 0-10 0-30 0-5 0-20	In H <sub>2</sub> O	19 - 21mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1077-ND	50.82	35.58	31.77	5 INCH-G-MV-MINI
							442-1080-ND	50.82	35.58	31.77	10 INCH-G-MV-MINI
							442-1086-ND	50.82	35.58	31.77	30 INCH-G-MV-MINI
							442-1078-ND	50.82	35.58	31.77	5 INCH-D1-MV-MINI
	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	442-1084-ND	50.82	35.58	31.77	20 INCH-D1-MV-MINI
							442-1087-ND	50.82	35.58	31.77	30 INCH-D1-MV-MINI
							442-1079-ND	50.82	35.58	31.77	5 INCH-D2-MV-MINI
							442-1082-ND	50.82	35.58	31.77	10 INCH-D2-MV-MINI
						442-1085-ND	50.82	35.58	31.77	20 INCH-D2-MV-MINI	
						442-1088-ND	50.82	35.58	31.77	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	43.56	30.50	27.23	4 INCH-G-HGRADE-MINI
							442-1063-ND	43.56	30.50	27.23	0.3 PSI-G-HGRADE-MINI
							442-1066-ND	43.56	30.50	27.23	10 INCH-G-HGRADE-MINI
							442-1069-ND	43.56	30.50	27.23	1 PSI-G-HGRADE-MINI
							442-1072-ND	36.30	25.41	22.69	5 PSI-G-HGRADE-MINI
6	0-4 0-0.3 0-10 0-15	In H <sub>2</sub> O PSIG PSIG PSIA	24 - 26mV 19 - 21mV 19 - 21mV 89.1 - 90.9mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1061-ND	43.56	30.50	27.23	4 INCH-GF-HGRADE-MINI
							442-1064-ND	43.56	30.50	27.23	0.3 PSI-GF-HGRADE-MINI
							442-1067-ND	43.56	30.50	27.23	10 INCH-GF-HGRADE-MINI
							442-1076-ND	36.30	25.41	22.69	15 PSI-AF-HGRADE-MINI
							442-1062-ND	43.56	30.50	27.23	4 INCH-D-HGRADE-MINI
7	0-4 0-0.3 0-1	In H <sub>2</sub> O PSID	24 - 26mV 19 - 21mV 17.82 - 18.18mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1065-ND	43.56	30.50	27.23	0.3 PSI-D-HGRADE-MINI
							442-1071-ND	43.56	30.50	27.23	1 PSI-D-HGRADE-MINI

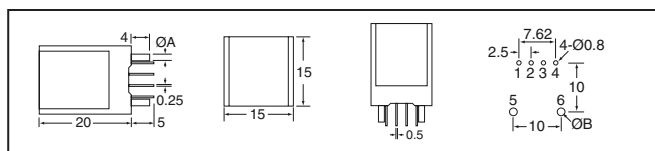
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## CUI INC Current Sensor

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.	Price Each	10	25	CUI Part No.
±3 ±20	4.5/0.5	5	± Bipolar ± Bipolar	3μS typical	-10°C - 75°C	0.6	102-1055-ND	18.90	15.12	12.85	SCD03PUR
						1.7	102-1059-ND	18.90	15.12	12.85	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	102-1050-ND	18.90	15.12	12.85	SCD03PUN
						0.9	102-1051-ND	18.90	15.12	12.85	SCD05PUN
						1.1	102-1052-ND	18.90	15.12	12.10	SCD10PUN
						1.4	102-1053-ND	18.90	15.12	12.85	SCD15PUN
						1.7	102-1054-ND	18.90	15.12	12.85	SCD20PUN

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