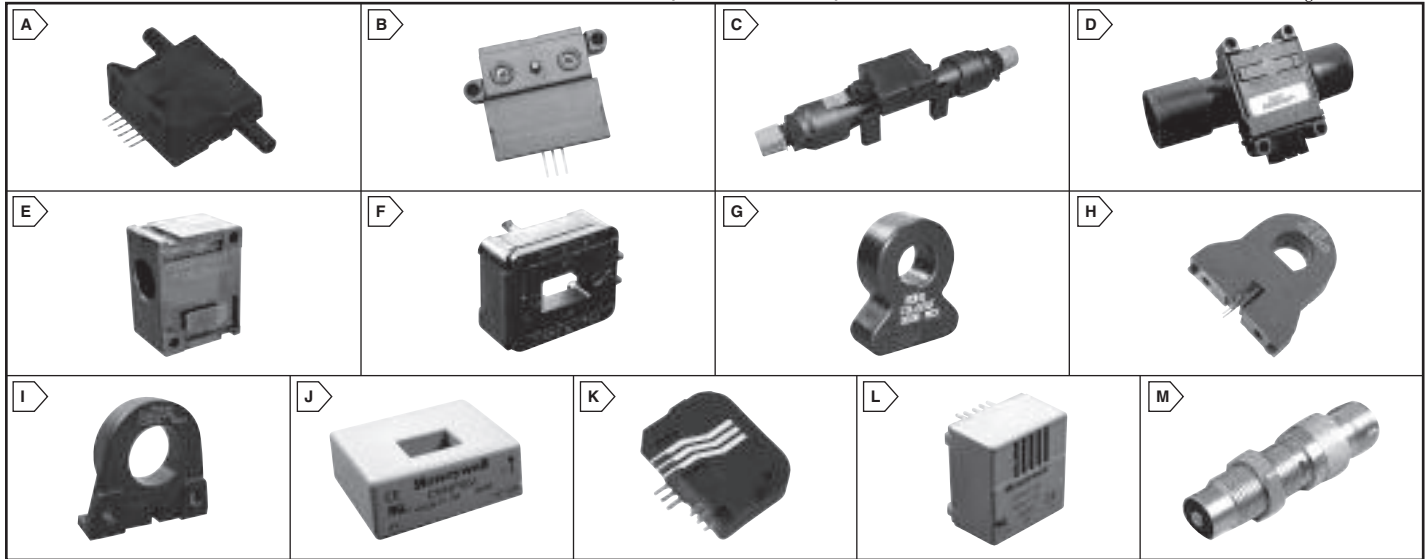


HONEYWELL Sensors

Honeywell

RoHS Compliant This product is RoHS compliant.

Sensing and Control



AIRFLOW SENSORS

Contain a thin-film, thermally isolated bridge structure that consisting of heater and temperature sensing elements. This microbridge structure provides a sensitive and fast response to the flow, amount and direction of air or other gas over the chip and provides a proportional output voltage. State-of-the-art chip design and manufacturing techniques allow the microbridge to be remarkably sensitive, fast and small. Amplified versions provide a higher output signal and require less external circuitry while unamplified versions allow more options in external circuit design. A variety of port styles provides greater application flexibility.



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Max. Common Mode Pressure	Output Voltage	Signal Conditioning	Pressure/Flow Range	Price Each		
							1	10	50
785-AWM2100V	AWM2100V	A	25.0 psi	30.0 mV dc	Unamplified	200 sccm	56.13	53.76	49.57
785-AWM3100V	AWM3100V	A	25.0 psi	5 Vdc	Amplified	200 sccm	85.25	83.70	67.39
785-AWM3150V	AWM3150V	A	25.0 psi	3.4 Vdc	Amplified	30.0 sccm	87.11	73.75	67.50
785-AWM3300V	AWM3300V	A	25.0 psi	5 Vdc	Amplified	1.0 slpm	87.39	82.88	68.93
785-AWM43300V	AWM43300V	B	150 psi	5.0±0.15 Vdc	Amplified	1.0 slpm	171.09	160.40	156.48
785-AWM43600V	AWM43600V	B	25.0 psi	5.0±0.15 Vdc	Amplified	6.0 slpm	160.88	149.30	140.01
785-AWM5101VN	AWM5101VN	C	150 psi	5 Vdc	Amplified	0-5.0 slpm	192.97	182.09	182.09
785-AWM5102VN	AWM5102VN	C	50.0 psi	5 Vdc	Amplified	0-10.0 slpm	192.97	182.09	182.09
785-AWM5104VN	AWM5104VN	C	50.0 psi	5 Vdc	Amplified	0-20.0 slpm	192.97	182.09	182.09
785-AWM720P1	AWM720P1	D	25.0 psi	5.0±0.36 Vdc	Amplified	+ 200 slpm	277.56	260.21	253.87

CURRENT SENSORS

MICRO SWITCH™ CS series linear current sensors incorporate our 91SS12-2 and SS94A1 linear output Hall effect transducer (LOHET™). The sensing element is assembled in a printed circuit board mountable housing. This housing is available in four configuration as shown in mounting dimension figures 1, 1a, 2 and 2a. Normal mounting is with 0.375 inch long 4-40 screw and square nut (not provided) inserted in the housing or a 6-20 self-tapping screw. The combination of the sensor, flux collector, and housing comprises the holder assembly. These sensors are ratiometric.



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Linear Current Sensors

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Package Style	Supply Voltage	Supply Current (mA max.)	Sensed Current Range	Price Each		
							1	10	50
Digital Inductive									
785-CSDA1BA-S	CSDA1BA-S	E	Thru Hole PCB	0.45 V	20 mA	N/A	17.71	16.60	15.68
785-CSDA1AA	CSDA1AA	E	Thru Hole PCB	0.40 V	20 mA	N/A	18.78	17.50	16.52
785-CSDA1BA	CSDA1BA	E	Thru Hole PCB	0.40 V	20 mA	N/A	15.72	12.46	11.80
785-CSDA1DA	CSDA1DA	E	3-P AMP	0.40 V	20 mA	N/A	18.09	14.50	12.83
Open Loop									
785-CSLH3A45	CSLH3A45	F	PCB Right Angle	4.5 to 10.5 Vdc	11 mA	±45 A	9.48	6.94	6.11
785-CSLA2GF	CSLA2GF	G	PCB Right Angle	6.0 to 12.0 Vdc	20 mA	±125 A	22.91	21.33	20.24
785-CSLA2DH	CSLA2DH	H	PCB Bottom Mnt	6.0 to 12.0 Vdc	20 mA	±235 A	34.25	31.89	30.27
785-CSLA2CF	CSLA2CF	H	PCB Bottom Mnt	6.0 to 12.0 Vdc	20 mA	±125 A	16.35	15.22	14.45
785-CSLA2CE	CSLA2CE	H	PCB Bottom Mnt	6.0 to 12.0 Vdc	20 mA	±92 A	16.12	15.03	13.32
785-CSLA2CD	CSLA2CD	H	PCB Bottom Mnt	6.0 to 12.0 Vdc	20 mA	±72 A	16.91	13.23	11.52
785-CSLA1EL	CSLA1EL	I	PCB Bottom Mnt	8.0 to 16.0 Vdc	19 mA	±625 A	45.04	41.93	39.62
785-CSLA1DJ	CSLA1DJ	H	PCB Bottom Mnt	8.0 to 16.0 Vdc	19 mA	±225 A	22.52	20.95	19.84
785-CSLA1CF	CSLA1CF	H	PCB Bottom Mnt	8.0 to 16.0 Vdc	19 mA	±100 A	22.12	20.60	19.55
785-CSLA1CD	CSLA1CD	H	PCB Bottom Mnt	8.0 to 16.0 Vdc	19 mA	±57 A	18.90	17.97	17.00
Closed Loop									
785-CSNP661	CSNP661	J	Thru Hole PCB	±12 to ±15 Vdc	±10 mA	±90 A	21.65	19.87	18.29
785-CSNA111	CSNA111	K	Thru Hole PCB	±15.0 Vdc	±10 mA	±70 A	28.30	26.35	25.01
785-CSNX25	CSNX25	K	Series PCB Mnt	±15.0 Vdc	±10 mA	±36 A	18.22	17.63	15.33
785-CSNE151	CSNE151	L	Series PCB Mnt	4.75 to 5.25 Vdc	±12 mA	±40 A	27.21	25.50	24.20

SPEED AND DIRECTION - VARIABLE RELUCTANCE SPEED SENSORS

Are simple, rugged devices that do not require an external voltage source for operation. The output signal of a VRS sensor is an ac voltage that varies in amplitude and wave frequency as the speed of the monitored device changes, and is usually expressed in peak to peak voltage (Vp-p). Honeywell offers VRS sensors for general purpose, high output, power output, high resolution, high temperature and hazardous location applications, as well as low-cost molded versions.



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MOUSER STOCK NO.	Honeywell Part No.	Fig.	Min. Output Voltage	Operating Frequency	Diameter mm	Coil Resistance	Price Each		
							1	10	50
785-3040A	3040A	M	70 Vp-p	40 kHz	15.9	120-162 Ohm	111.98	75.01	70.12
785-3040AN25	3040AN25	M	70 Vp-p	40 kHz	15.9	120-162 Ohm	89.20	81.27	77.56
785-3030AN25	3030AN25	M	190 Vp-p	15 kHz	15.9	910-1200 Ohm	89.21	87.42	81.85
785-3030AN	3030AN	M	190 Vp-p	15 kHz	15.9	910-1200 Ohm	60.34	54.84	50.43