

HONEYWELL Sensors



This product is RoHS compliant.

Honeywell

Sensing and Control

INFRARED SENSORS

Features:

- Choice of phototransistor or photodarlington output
- Focused for maximum responses
- Ambient light and dust protective filter
- Adjustable mounting slot
- Low profile for design flexibility
- Unfocused for sensing diffused surfaces



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Output Type	Collector-Emitter Breakdown Voltage	Power Dissipation	Rise/Fall (µs)	Price Each		
							1	10	50
Reflective Sensors									
785-HOA0708-001	HOA0708-001	A	Transistor	30V	70	0.20	5.58	5.09	4.59
785-HOA0709-011	HOA0709-011	A	Darlington	15V	70	0.20	5.57	5.07	4.57
785-HOA1180-002	HOA1180-002	B	Transistor	30V	75	0.16	13.61	13.59	13.55
785-HOA1180-003	HOA1180-003	B	Darlington	15V	75	2.00	27.68	25.46	23.42
785-HOA1397-002	HOA1397-002	C	Transistor	30V	100	0.70	4.30	3.41	2.87
785-HOA1397-032	HOA1397-032	C	Darlington	15V	100	7.00	4.26	3.47	2.92
785-HOA1404-002	HOA1404-002	D	Transistor	30V	75	0.80	13.17	12.00	11.88
785-HOA1404-003	HOA1404-003	D	Darlington	15V	75	2.00	12.64	12.05	11.86
785-HOA1405-001	HOA1405-001	E	Transistor	30V	70	0.20	4.86	3.85	3.24
785-HOA1405-002	HOA1405-002	E	Transistor	30V	70	0.80	4.84	3.90	3.29
785-HOA2498-002	HOA2498-002	F	Transistor	30V	75	0.16	10.20	9.33	9.15
Transmissive Sensors									
785-HOA0890-L51	HOA0890-L51	G	Transistor	30V	100	0.50	6.99	6.38	5.46
785-HOA1870-031	HOA1870-031	G	Transistor	30V	100	0.30	7.86	7.54	7.26
785-HOA1872-013	HOA1872-013	G	Darlington	15V	100	4.00	5.45	4.96	4.85
785-HOA1873-012	HOA1873-012	G	Transistor	30V	100	1.80	4.30	3.92	3.54
785-HOA1874-012	HOA1874-012	H	Transistor	30V	100	1.80	5.87	5.46	4.85
785-HOA1875-002	HOA1875-002	I	Transistor	30V	75	0.60	9.70	9.05	8.88
785-HOA1875-003	HOA1875-003	I	Darlington	15V	75	1.80	10.75	10.23	9.67
785-HOA1877-001	HOA1877-001	I	Transistor	30V	75	0.10	8.88	6.93	6.12
785-HOA1877-002	HOA1877-002	J	Transistor	30V	75	0.50	9.70	9.05	8.88
785-HOA1877-003	HOA1877-003	J	Darlington	15V	75	1.50	10.75	10.23	9.67
785-HOA1879-015	HOA1879-015	K	Transistor	30V	100	0.50	5.24	4.28	3.61
785-HOA1881-012	HOA1881-012	L	Transistor	30V	100	1.80	6.45	6.00	5.90
785-HOA1882-012	HOA1882-012	M	Transistor	30V	100	1.80	3.12	2.55	2.14
785-HOA1884-012	HOA1884-012	N	Transistor	30V	100	1.80	5.67	5.40	3.79
785-HOA1887-012	HOA1887-012	O	Transistor	30V	100	1.80	7.24	6.10	5.40

QUICK-MOUNTED LEADED MAGNETIC PROBES POSITION SENSORS

Features:

- Current sourcing output
- Rugged, sealed threaded aluminum housing NEMA 3, 3R, 3S, 4, 12 and 13 requirements
- 24 AWG, 152.4 mm [6 in] stranded leadwires, color coded and irradiated polyethylene insulated
- Adjustable mounting



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MOUSER STOCK NO.	Honeywell Part No.	Fig.	Supply Voltage (V)	Supply Current (max.)	Output Type	Termination Type	Price Each		
							1	10	50
Source									
785-103SR12A-1	103SR12A-1	P	6.0 to 24.0	10mA	Sink	152.4mm Cable	27.18	25.94	24.82
Sink									
785-103SR13A-1	103SR13A-1	P	4.5 to 24.0	10mA	Sink	152.4mm Cable	24.13	19.19	17.20
785-103SR13A-2	103SR13A-2	Q	4.5 to 24.0	10mA	Sink	1m Cable	31.54	30.39	28.80
785-103SR13A-9	103SR13A-9	R	4.5 to 24.0	10mA	Sink	3m Cable	46.34	42.66	41.64
785-SR13D-A1	SR13D-A1	S	3.8 to 30.0	13mA	Sink	152.4mm Cable	6.62	6.23	5.98
785-SR15C-A3	SR15C-A3	T	3.8 to 30.0	13mA	Sink	254.0mm Lead Wires	3.89	3.60	3.34
785-SR13C-A1	SR13C-A1	T	3.8 to 30.0	13mA	Sink	152.4mm Lead Wires	5.42	5.10	4.40
785-SR3F-A1	SR3F-A1	U	4.5 to 24.0	18mA	Sink	152.4mm Cable	19.06	16.90	15.95
Vane Position Sensors									
785-SR17C-J6	SR17C-J6	V	3.8 to 30.0	10mA	Sink	26-gauge 7-strand	8.19	5.99	5.11
785-SR16C-J6	SR16C-J6	W	3.8 to 30.0	10mA	Sink	300.7mm Lead	6.12	5.34	4.80
785-4AV16F	4AV16F	X	4.5 to 24.0	18.5mA	Sink	189.2mm Lead	25.12	21.13	18.21

SMART POSITION SENSOR



The SMART Position Sensor, 75 mm linear configuration, is a non-contacting sensing solution for linear absolute position sensing with enhanced speed and accuracy. It senses the position of a magnet relative to the sensor from 0 mm to 75 mm [0 in to 3.0 in]. Why is the SMART Position Sensor smart? SMART means that this is a sensor that can essentially think for itself. The SMART Position Sensor has the ability to self-calibrate because it uses a patented combination of an ASIC (Application-Specific Integrated Circuit) and an array of MR (magnetoresistive) sensors to accurately and reliably determine the position of a magnet attached to a moving object (e.g., elevator, valve, machinery, etc.) so that the object's position can be determined.

Features:

- Resolution of up to 16 bits provides enhanced accuracy
- Non-contacting technology can provide enhanced product life and durability with less downtime
- Combined patented MR sensor and ASIC technology provide enhanced differentiation and performance
- Air gap of up to 3.0 ±2.5 mm [0.118 ±0.098 in] between sensor and magnet expands application opportunities
- Other output options (CAN bus, RS232) available upon request
- Self-diagnostics feature can reduce equipment downtime
- Small size, taking up less space than most competitive technologies, allows for use where space is at a premium
- IP67 and IP69K sealing allow use in a variety of harsh applications
- RoHS-compliant materials meet Directive 2002/95/E

Potential Applications:

- Aerospace: Aircraft ram door position
- Medical: Syringe pumps
- Industrial: Cutting and slitting machinery
- Elevator level position
- Material handling
- Packaging
- Plastic molding machines
- Valve position
- Wafer handling equipment
- Woodworking machinery



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For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Measurement Type	Supply Voltage (Vdc)	Sensing Range (mm)	Magnet Velocity Along Sensor	Price Each		
							1	15	25
785-SPSL075HALS	SPS-L075-HALS	Y	Linear	6 to 24	0 to 75	292 mm/s	192.72	166.04	158.13