

# Devantech SRF01 Ranger R322-SRF01 \$36.00

The SRF01 is a single transducer ranger with a one-wire UART serial interface. Up close sensing range can work reliably all the way up to the transducer. Sensing range is from 0 out to 600 cm (0 to ~ 20 ft). Also included is a polarized connector with wiring and a mounting grommet.



Two different operating modes are available when using the SRF01. The factory default mode is "Advanced Mode" which allows ranging all the way up to the transducer (0 cm). In order for this operational mode, the ranger must take 5 readings out to a range of 30 cm (~1 ft) or more. After this happens, a lock bit is internally set. The "Standard Mode" eliminates the operating requirements imposed during "Advanced Mode" with a increase in minimum operating range (18 to 600 cm (~7 in to ~20 ft) ).

### Package Contents

The SRF01 package includes one SRF01 transducer, one polarized connector and one mounting grommet.

### Technical Information

For more technical information on the SRF01 including how to switch between modes of operation, please refer to the Devantech website.

Specifications	
Voltage	3.3 V to 12.0 V
Current	25 mA (during ranging), 11 mA (standby), 55 uA (sleeping)
Frequency	40 KHz
Minimum Range	0 cm
Maximum Range	6 m (19.69 ft)
Connection Type	One-pin UART Serial 9600 baud
Units	Range reported in cm or inches
Weight	2.69 gm (0.095 oz)
Size	1.63 cm (0.64 in) diameter X 1.93 cm (0.76 in ) height

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