



## Datasheet

ENGLISH

# RS Pro Sensor Tester for Proximity Switches

RS Stock No. 839-9875



### Description

This proximity switch tester is designed to test most three wire DC proximity switches: inductive (metal sensing), capacitive, photoelectrics or ultrasonics. The Unit is fitted with two 9V batteries ready to use.

Standard colour coding for three wire proximity switches is:

Brown = Positive (+)

Black = Load

Blue = Negative (-)

[Note: some universal DC switches can vary, try to follow makers wiring instructions].

### Testing Instructions

Connect the proximity switch to the switch tester, place a suitable target in front of the switch. If the switch is functioning correctly, the unit will give audio and visual indication showing the switch operates and indicating the functionality of the switch according to the chart below:



<b>Switch Type</b>	<b>Buzzer &amp; LED on when</b>	<b>LED</b>
PNP Normally Open	Target in range	PNP
PNP Normally Closed	Target not in range	PNP
NPN Normally Open	Target in range	NPN
NPN Normally Closed	Target not in range	NPN

If the proximity switch does not give such feedback when correctly connected to the tester, it has probably failed. [Note: This Tester will not test two wire AC or DC switches]

#### **LED Functions**

<b>Green I/O LED</b>	<b>Switch connected &amp; unit on</b>
Red (Batt) LED	Battery low indicator
PNP or NPN LED	Indicated switch type