STRAIN MEASUREMENT DEVICES

nqa ISO9001 Registered | nqa ISO13485 Registered

OS-950 Plastic Optical Sensor

The **OS950 Miniature Plastic Optical Sensor** is ideal for non contact liquid level sensing in a number of vessels. These solid state optical level sensors have no moving parts. The built-in optical electronics provides a switched output level sensor that can sense the presence or absence of fluids to 110°C. The Polysulfone housing ensures this level sensor is compatible for use with a broad range of liquids, ideal for medical and industrial OEM level sensing needs. The new TPE over-molded electronics and O-ring seal, creates a watertight, environmentally resistant assembly, ideal for harsh environments. This miniature plastic optical level sensor is well suited for low level or point level monitoring for medical diagnostic equipment, sterilizers and washer, or dialysis equipment.

Product Specifications:	
Materials:	
Housing:	Polysulfone
O-Ring:	Fluorocarbon
Electronics:	Over-molded TPE
Operating Pressure:	0 to 250 PSI (0 to 17 bar) Max
Operating Temperature:	-40° F to 230° F (-40° C to 110° C)
Current Consumptions (No Load)**:**	
5 VDC:	4 mA
12 VDC:	10 mA
Output:	Sink 40 mA Max, up to 30 VDC
Repeatability:	+/-1 mm

Applications:

- Medical Diagnostic Equipment
- Sterilizers & Industrial Equipment
- Dialysis Machines
- Food & Beverage Equipment

Features:

- Built-in optical electronics
- Withstands temperatures up to 125°C
- Compact size
- Continuous level measurement

Input Power	Current Sink	1/4" NPT	1/2" - 20 SAE	M12x1-8
5 VDC	Wet	OS-950A-05-0	OS-950A-05-1	OS-950A-05-2
	Dry	OS-950B-05-0	OS-950B-05-1	OS-950B-05-2
12 VDC	Wet	OS-950A-12-0	OS-950A-12-1	OS-950A-12-2
	Dry	OS-950B-12-0	OS-950B-12-1	OS-950B-12-2

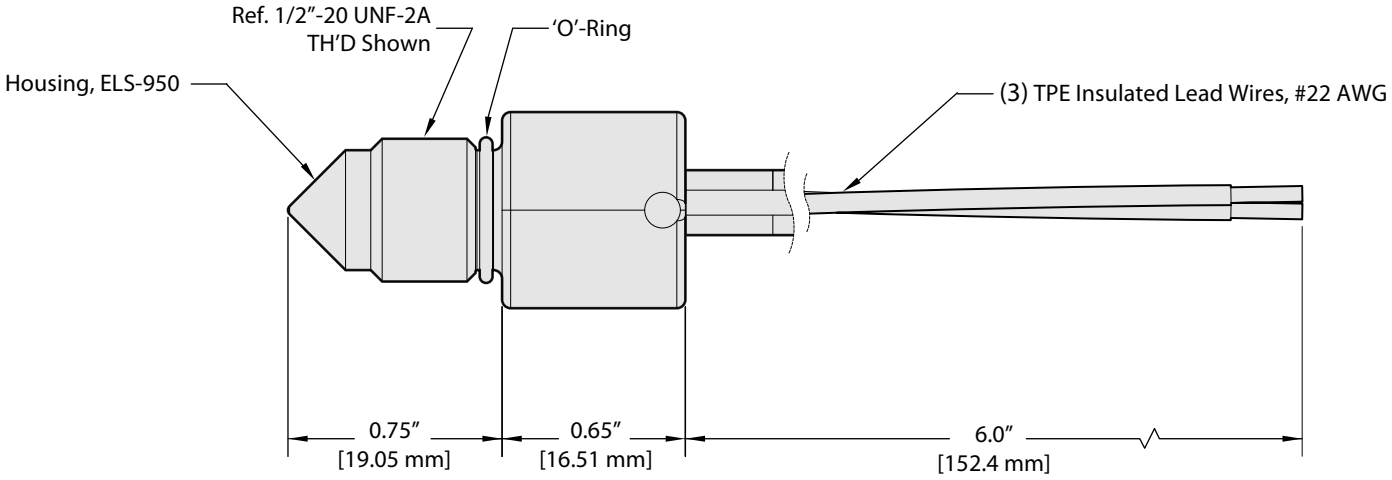
OS-950A
"ON" when Wet (wet sink output)

OS-950B
"ON" when Dry (dry sink output)

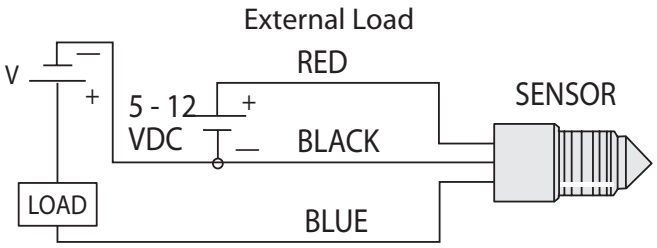
USA
Strain Measurement Devices
55 Barnes Park North, Wallingford, CT 06492
sales@smdsensors.com | (203) 294-5800

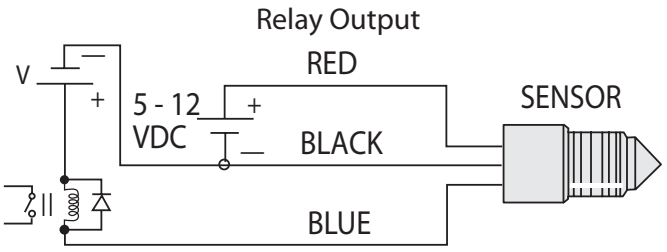
Europe
Strain Measurement Devices
Bury Road, Chedburgh, Bury St Edmunds IP29 4UQ
sales@smdsensors.co.uk | +44 (0)1284 852 000

www.smdsensors.com



Wiring Diagrams





USA
Strain Measurement Devices
55 Barnes Park North, Wallingford, CT 06492
sales@smdsensors.com | (203) 294-5800

Europe
Strain Measurement Devices
Bury Road, Chedburgh, Bury St Edmunds IP29 4UQ
sales@smdsensors.co.uk | +44 (0)1284 852 000