Features and Benefits

Allows differential liquid sensing with one sensor. One sensor does the work of two!

TRUE WET/WET DIFFERENTIAL MEDIA SENSING

Provides liquid sensing in differential applications

WIDE OPERATING TEMPERATURE RANGE OF -40 ºC TO 85 ºC [-40 ºF TO 185 ºF]

Allows use in wide variety of applications

VARIETY OF PRESSURE RANGES FROM 1 PSI, 5 PSI, 15 PSI

Provide flexibility in customers' pneumatic designs

DIFFERENTIAL AND GAGE PRESSURE MEASUREMENT TYPES IN ONE PACKAGE

Provides application flexibility

Frees up PCB space. Reduces costs.

COMPACT SMT PROFILE

Doesn't take up a lot of board space in size-critical applications

3,18 MM [0.125 IN] DIAMETER PICK UP FEATURE

Allows use in pick and place machines

MAXIMUM PEAK TEMPERATURE OF 260 °C [500 °F] FOR 10 S MAX.

Allows reflow soldering using standard industry solder profiles

ALSO AVAILABLE IN SIP, DIP, AND FLOW-THROUGH PACKAGES

Provides added design flexibility

Potential Applications

MEDICAL

RESPIRATORS AND VENTILATORS

May be used to measure the correct amount of air going to the patient while in surgery or recovery

OXYGEN CONSERVERS AND CONCENTRATORS

May be used to measure the sieve bed pressure to help optimize system performance

NEBULIZERS

May be used to measure the amount of air going into a patient's lungs to help ensure proper therapy

INDUSTRIAL

WATER CONTROL VALVES

May be used to monitor the water consumption in homes and buildings

IRRIGATION EQUIPMENT

May be used to control the water pressure and flow being delivered

FILTER MONITORING

May be used to detect when the filters are clogged and need to be replaced

PRESSURE VALVES

May be used to measure and control pressure in industrial processes

AIR COMPRESSORS

May be used to control the pressure being delivered to the end user equipment

SOFT DRINK DISPENSING

May be used to ensure the correct amount of beverage is dispensed into the bottle

BREATHALIZERS

May be used to measure the exhalation pressure to ensure proper breath analysis