

GAUGES

SmartScan™50 Ultrasonic Gauge



SMARTSCAN™ 50

THE **SMARTSCAN™ 50** IS AN ULTRASONIC LEVEL-MEASURING INSTRUMENT FOR INSTALLATION IN PROCESS TANKS, STORAGE VESSELS, OPEN AIR PILES, AND MORE. IT IS A 4 WIRE LOW VOLTAGE DEVICE WITH CUSTOMIZED GRAPHIC (LCD) DISPLAY. WITH A VARIETY OF SOFTWARES AVAILABLE FOR EACH APPLICATION, IT IS AN EXCELLENT CHOICE FOR MEASURING THE LEVEL OF LIQUIDS AND SOLIDS AT RANGES OF UP TO 12 METRES, WITH BETTER THAN 0.25% ACCURACY OF THE MEASURING RANGE.

SMARTSCAN™50 DELIVERS VERY FAST RESPONSE, WHILE MAINTAINING HIGH RELIABILITY IN OPEN AIR, TANK CONDITIONS OR DUSTY ENVIRONMENTS. MANY CHOICES ARE AVAILABLE: Q/H CALCULATION IN OPEN CHANNEL; DIAMETER MEASUREMENT OF A PAPER ROLL; VOLUME OF A TANK AND MORE.

THE RADAR-LIKE PERFORMANCE MAKES THE SMARTSCAN™50 A UNIQUE COST SAVING SOLUTION FOR ACCURATE MEASUREMENT.

SPECIFICATIONS

MEASURING RANGE:

- SMARTSCAN 50L FOR LIQUIDS: 0.4-12 METRES (1.3-39FT)
- SMARTSCAN 50S FOR SOLIDS: 0.4-8.5 METRES (1.3-27FT)
- SMARTSCAN 50D FOR DIAMETER: 0.5-2.5 METRES (1.64-8.2FT)
- SMARTSCAN 50O FOR FLOW OF LIQUIDS: 0.4-12 METRES (1.3-39FT)

ACCURACY:

- 50L: 0.2% OF THE MEASURING RANGE
- 50S: 0.25% OF THE MEASURING RANGE
- 50D: 0.1% OF THE MEASURING RANGE
- 50O: 0.2% OF THE MEASURING RANGE

RESOLUTION: 1MM (0.04 INCH)

AMBIENT TEMPERATURE COMPENSATION: AUTOMATIC

MECHANICAL:

- **ENCLOSURE:** IP 67, WALL/PANEL MOUNTED, PLASTIC
- **TEMPERATURE RANGE:** -40 TO 60°C (-40 TO 140°F)
- **DIMENSIONS:** 272 x 200 x 85MM (10.7 x 7.9 x 3.35 INCH)
- **WEIGHT:** 2.5KG (5.5LBS)

SENSORS:

- **WETTED PARTS:** GLASS REINFORCED EPOXY, PP/PVDF
- **OPERATING PRESSURE:** UP TO 5 BARS (75 PSI)
- **OPERATING TEMPERATURE:** -40 TO 100°C (-40 TO 212°F)
- **MOUNTING:** 1" NPT OR 1" BSP
- **TRANSDUCER:** 50 KHZ
- **MAX SENSOR TO INSTRUMENT DISTANCE:** 200 METRES (656FT)
- **5 MTR CABLE** (16.4 FT) INCLUDED WITH SENSOR

- **ELECTRICAL:** GRAPHIC CUSTOM LCD
- **DISPLAY:** 18-30 VDC (0.25A MAX)
- **OUTPUTS:** 4-20 MA, 750OHM LOAD @ 24 VDC
- **INTERFACE:** RS 232 OR RS 485
- **RELAYS:** 5 INDEPENDENT SPDT
- **CERTIFICATES:** CE, CSA*, FCC, I.S.*, 3A*

*CONSULT FACTORY

CODE

SmartScan™ 50 Ultrasonic Level Measuring Instrument

SMART50