

INDUMART Canada Submersible Level Sensor with Data Logger

SERIES: LTF130

- > ACCURACY UP TO 0.1%
- > 316L ST. STEEL ASSEMBLY
- > HIGH BATTERY LIFE (UP TO 10 YEARS)
- > TEMPERATURE MEASUREMENT (OPTION)
- > RANGES FROM 0...1 mH2O TO 0...400 mH2O
- > MEASURING INTERVAL: 2 s TO 24 h FOR 130,000 MEASUREMENTS
- > DATA TRANSFER TO COMPUTER WITHOUT REMOVING THE LOGGER

Applications:

Wells & Reservoirs Lakes & Rivers Water Treatment Sewage Treatment



Indumart *LTF130 Series* of Submersible Level Transmitter with Data Logger is an excellent solution for measuring height (pressure) of liquids in reservoirs and storing the data for future download to a computer. Data is stored in ASCII format and may be read with programs such as Excel™, Lotus™, etc. Transfer of data to a computer is possible without removing the transmitter, and if a PC or laptop is not available in the field, the transmitter can be removed from the field and downloaded elsewhere. The non-volatile memory is capable of storing 130,000 measurement values with time and date of occurrence. Time and date of the first measurement required can be programmed into the transmitter.

The *LTF130 Series* is suitable for applications in food industry without any restriction, and if applied in media other than water, the transmitter may be customized to have an output corresponding to the height of the special medium.

In addition to level measurement, the *LTF130 Series* may be specified with temperature data collecting option. A special version of LTF130 combines data logging with real time level indication for continuous local monitoring of the process.

The LTF130 Series is manufactured according to the electromagnetic compatibility (EMC) requirements of IEC 61000.

Configurable Parameters via Software (option)

- Measuring Frequency
- Time and Date
- Identification of Measuring Points
- Starting Time of First Sample
- Tare or Zero Point
- Setting of Measuring Reference Point

SPECIFICATIONS
Sensor Type
Sensor Material
Housing
Seal
Viton
194, 0.25%

Accuracy 0.1%, 0.25%
Output RS232C
Real Time Clock Quartz with date

Data Storage 130,000 measurements with time and date; Data is kept in memory without battery

Resolution Level <0.1% of full scale

Temp. 0.1°0

System Requirement IBM laptop or PC, Windows 95/98/NT or

handheld PC with Windows CE 2.11 or up Interface Serial (std.); cable with one end fitted to

male electrical plug (option)

Data Transfer
Data Format
Supply Voltage

All together or per series of measurements
ASCII, readable with Excel, Lotus,....
Lithium battery (1 Stk), 3.6V, 1.9 Ah, type AA

Media Temperature -5...+70°C

Protection IP68 (submersible)

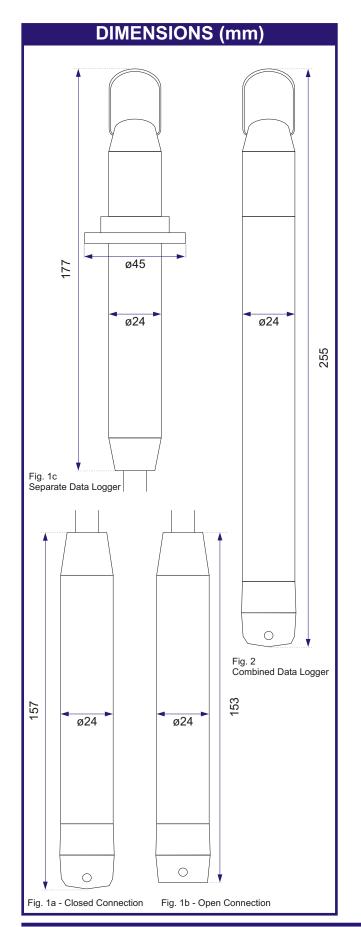
Thermal Shift (%Fs/k) Zero: 0.06 (up to 5 mH2O range); 0.03 (5 to 20 mH2O ranges); 0.015 (ranges above 20

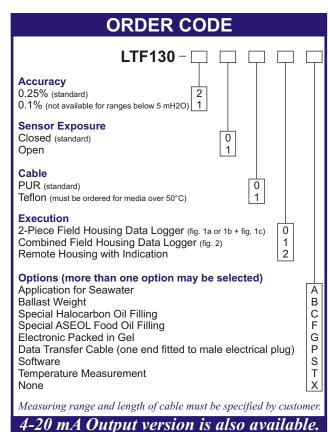
mH2O); Span: 0.015

EMC Emission IEC 61000-6-3 Immunity IEC 61000-6-2 Weight 195 or 425 grams

Range (mH2O)	Range (kPa)	Over Range (kPa)
01	010	300
01.6	016	300
02.5	025	300
04	040	300
06	060	300
010	0100	300
016	0160	480
025	0250	750
040	0400	1200
060	0600	1800
0100	01000	3000
0160	01600	4800
0250	02500	7500
0400	04000	12000

Burst pressure for the above is 20000 kPa, except for 0...400 mH2O is 85000 kPa. Other ranges and various pressure units are also available. Absolute and compound ranges may be ordered. The transmitter can also be ordered for media other than water.









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