



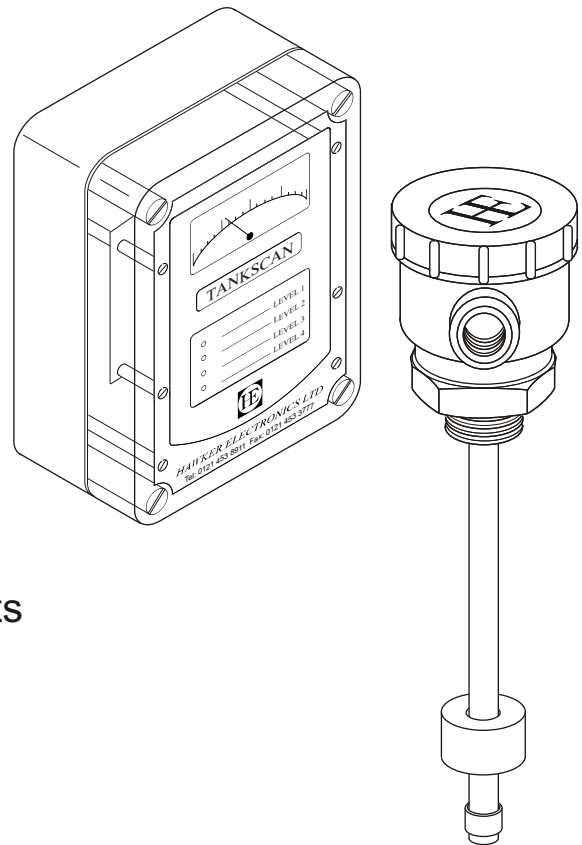
HAWKER

LEVEL CONTROL SYSTEMS

TANKSCAN

Continuous Liquid Level Measuring System

- Suitable for most fluids e.g. Water, Diesel, Fuel oils, Lubricating oils, Process blends and Chemicals.
- Suitable for pressurised vessels.
- Measurement range: 0 to 200mm upto 3,000mm.
- 4-20mA output.
- Remote tank contents indication.
- 4 fully-adjustable control/alarm points
- Battery back-up facility.
- IP67 weatherproof enclosure.



Applications

The Hawker Tankscan tank level measuring system comprises of the FC1 level controller mounted within a weatherproof enclosure, and the FP series level transducer for top tank entry. (side entry and bottom entry versions available on request).

The transducer operates on proven and reliable magnet and reed switch principle providing a continuous reading of level.

The controller incorporates a large easily readable analogue meter displaying the tank level.

Output connections allow remote indication of level.

The controller includes 4 relays with integral LED status indication which can be set to switch at any level from 0-100%.

Typically 2 of the relays may be used to operate a pump contactor and the other 2 relays may be used to give high and low and alarm indication. The system does not require calibration on site.

Installation consists simply of fitting the transducer to the tank, connecting the inputs/outputs to the controller and setting the required relay switching points.



HAWKER TECHNICAL SPECIFICATIONS

Technical Data

FC1 Controller

FC1 Level Controller

Input: From remotely mounted FP series level transducer upto 2km distance from controller.

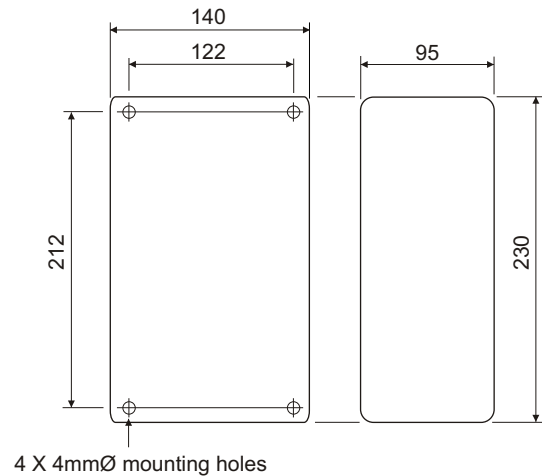
Supply Voltage: 24/110/240V AC 50/60Hz, factory set & 24V DC (can be used as a battery backup in case of AC supply failure).

Power Consumption: 6 Watts

Outputs: Analogue: 0.20mA or 4.20mA factory set, max load 600ohm.
0.100µA (for remote meter)
0.10V.
Control/Alarm: 4 x volt free C/O contacts rated 5A @ 240V AC/30V DC, resistive, each adjustable from 100%.

Display: DIN size panel meter, scaled 0-100% (special scale to order)
integral relay status indicators.

Enclosure: Impact-resistant polycarbonate. Double insulation (IEC 439 Sen 362130) IP67 rated IP68 cable glands.



FP Series Level Transducer

Insertion Length: L = 200mm upto 3,000

Resolution: 15mm standard (7.5mm option).

Liquid S.C.: 0.60 to 1.20

Process Temperature: 120° C max

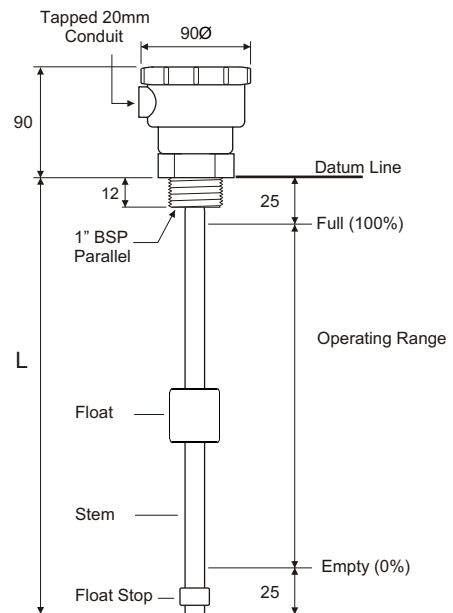
Ambient Temperature: -20° C to +50° C

Process Pressure: 20 bar max

Materials: Termination Head: polypropylene
Mounting boss and stem: Bass or 316 SS
Float: Buna-N or polypropylene or 316 SS.

Weatherproof: IP67

FP Series Transducer



Process Connections:

1" B.S.P. parallel for Polypropylene and Buna-N Floats.

2" B.S.P. parallel for 316 SS Floats
ANSI/DIN flanges to order.

Because of continuing development we reserve the right to change the specifications without notice

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