



Liquid Level Switch for Cargo Tanks – High Level (95%) & Overflow (98%)

The Lidec L92B Liquid Level Switch, specially designed for maritime applications, offers an effective solution for detecting the level of liquids petroleum products. Equipped with two modular probes, it is a fully static device using an operating principle based on the propagation of a surface wave which makes avoid any mechanical moving parts. The detector is insensitive to vibration, shock and

electrical disturbances and its reliability is ensured by a built-in function for monitoring electronics or transducers failures.

The Lidec L92B is designed for installation on the deck. The detector requires no calibration, as it is not influenced by any type of fluid.

L92B - Technical Specifications

Technical Data

Accuracy:	±2mm
Operating temperatures:	- Ambient: - 25 °C +70°C - Liquid: - 40°C +80°C
Power supply:	18 to 28 Vdc
Protection class:	IP66/67
Intrinsically safe:	IECEX, ATEX. II 1 G D Ex ia IIC or IIB T6 or T5 or T4 Ga Ex ia IIIC T80°C or T95°C or T130°C Da IP6X

Special Features

Materials:

- Probe: Stainless steel 316L
- Head : Stainless steel 316L
- Flexible hose: Stainless steel 316L & marine brass.

Probes length: on request (3000 mm maximum)

Flange: ISO PN20 DN40

Output signals:

- 2 x 18 mA (outside liquid)
- 2 x 6 mA (detection of liquid)

Interchangeable detection probe.

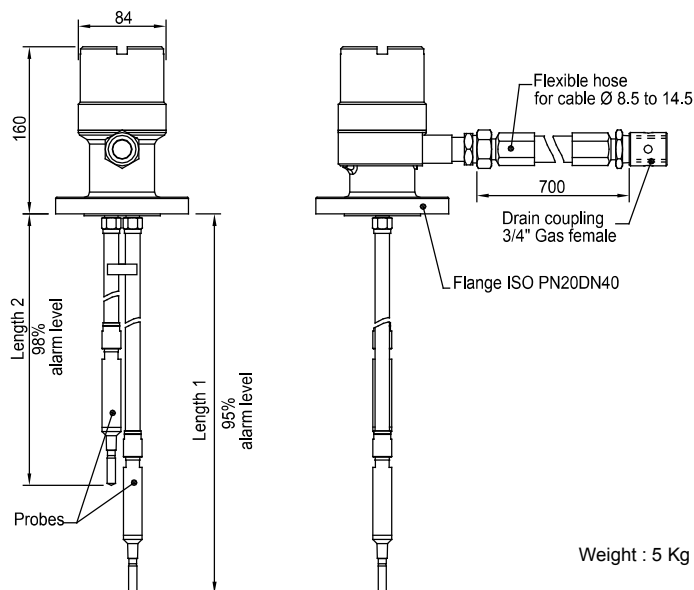
For **chemical or high temperature products** use **L92-CHT** (HM-11-51-ENG).

ON LINE TEST is done without opening Lidec by applying magnet on top of the connecting box (HM-11-40-ENG).

Technical Documentation

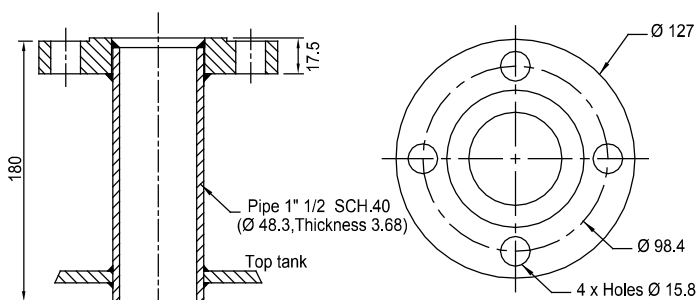
Installation manual:	NT401
Maintenance manual:	NT401

Mechanical Fittings & Dimensions

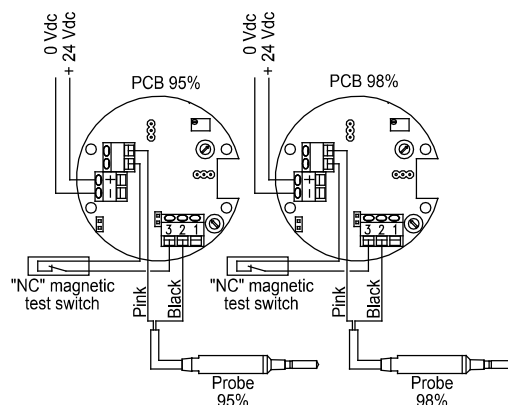


Note: Lengths 1 & 2 need to be specified 8 weeks before delivery

Process Connection



Electrical Connection



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