

- **Non-Contact**
- **Senses through Wall**
- **Relay Output**

Conductive and Non-Conductive Liquids

The NC30 Non-Contact liquid Level | Flow Sensor has been designed using high frequency technology to sense the presence of liquid | conductive | non conductive Suitable for Non-Metalic Tubing | Tanks | Drums | Pipe



FEATURES

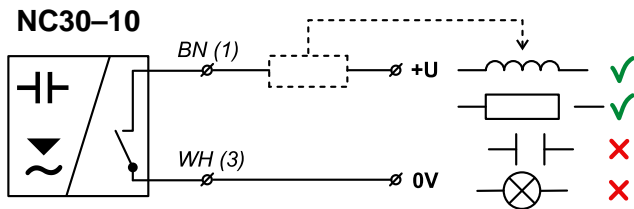
- All Plastic PP Design
- Non-Intrusive Liquid Level | Flow Detection through Plastic or Fiberglass Walls
- Small Footprint | Easy to Install
- LED Display
- M12 Disconnect or Fixed Cable Connector
- Fits on ½" - 2" Diameter Pipe | Sch 40 | 80
- Senses up to 0.3" | (8mm) Wall Thickness

MODELS	NC30-10	- V Design sensing electrode face for piping and tubing applications.
	NC30-11	- Flat electrode for installation on drums and tanks

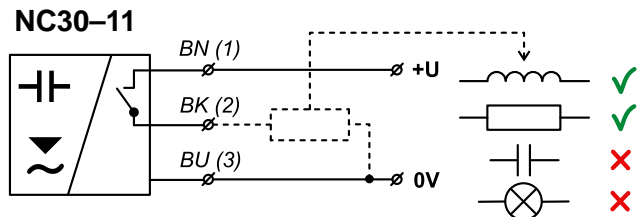
SPECIFICATIONS

Supply voltage		6 -30VDC
Supply current	<ul style="list-style-type: none"> - Output type Pulse - Output type S - Relay 	Max. 0.6 7mA (OFF ON State) Max. 0.6mA (OFF State)
Switched current (Min / Max)	<ul style="list-style-type: none"> - Output type Pulse - Output type S - Relay 	100mA 3.3mA 40mA
Remanent voltage – ON state	<ul style="list-style-type: none"> - Output type Pulse - Output type S - Relay 	1.8 V 6.0 V
Switching frequency		Max. 1 Hz
Max. thickness of the vessel wall	<ul style="list-style-type: none"> - Conductive liquids - Non-conductive liquids with $\epsilon_r < 10^*$ 	0.3" (8 mm) 0.11" (3 mm)
Ambient temperature range		-20 +80°C
Temperature range at the tube or vessel surface		-20 +90°C
Housing material		Plastic (PP)
Protection class		NEMA 4X IP67
Cable Connection		PVC PVC
Weight (including 2 m cable)		Approx. 60 g

ELECTRICAL CONNECTION



Connection scheme of sensor with "S" type output



Connection scheme of sensor with "PNP" type output

Note:

The sensor output is short circuit protected.
Shielded Cable is recommended

Legend:

BN – Brown
WH – White
BU – Blue

ORDER CODE

NC30 1- - - cable — Length of cable in meters (variant "A")

Type of output: **S** – 2-wire electronic switch
P – PNP (open collector)

Electric connection: **A** – Cable outlet (+ Spec. the length of the cable)
C – Connector

Electrode type: **0** – Prismatic (refracted type)
1 – Planar - Flat Type

DIMENSIONS DRAWINGS

