

northfalcon
E N E R G Y



NF-RDT

Wireless Fuel & Water Probe

NF - RDT

GENERAL

NF RTD Wireless fuel & water Probe is a level sensor which measures the level of fuel and water and the temperature of the liquid in the tank. The measurements are transmitted to it's receiver as wireless communication.

It's electronics is based on a powerful microprocessor technology and the measurements are accurate and sensitive.

Measurement accuracy: +/- 0,5 mm.

Measurement resolution: +/- 0,05 mm.

Temperature accuracy: +/- 0,2°C

It is Intrinsically safe suitable for 0 zone , hazardous areas.

COMMUNICATION

Transmission frequency 169 MHz for a safe and reliable data transmission from the underground or aboveground.

It communicates with the receiver which has Harmattan type antenna with a strong gain.

RF Transmit power output is max 200 mWatt.

Data transmission up to 1 km on air line of sight and up to 200 meter underground.

Proprietary serial data protocol.

The serial number is unique and corresponds to the probe address for the consequent configuration into the electronics control.

ELECTRICAL

Ultra low power mode

Power supply through intrinsically safe lithium battery 3.6Vdc, model SAFT LS33600 or EVEER34615.

Battery life up to 3-4 years.(standard setting)

Consumption in transmission mode functioning <70mA.

Consumption in sleep mode < 200 uA.

Frequency transmission 169Mhz

Transmission power up to 200mW

MECHANICAL

Stainless steel case, IP68.

Probe shaft Stainless Steel AISI 304 / 316

Dimensions might change according to the shaft length up to 500 cm.

ENVIRONMENTAL

Operating Temperature Range: Tamb = -40 +80°C

