

VISY-RF

The wireless solution for VISY-X



VISY-Command RF
 VISY-Command GUI RF
 External antenna
 VISY-RFT module

The VISY-X tank gauging system can also be operated wirelessly. The VISY-RFT module (radio frequency transmitter) mounted in the manhole, transmits the tank

data recorded by the VISY-Stick sensors and the data of the environmental sensors wirelessly to the VISY-Command RF control unit. The control unit includes

the VISY-RFR module (radio frequency receiver) to which 2 optional available antennas can be connected.

Features of the FAFNIR technology

- Compatible with all VISY-X components
- Long battery life
- High level of data availability
- Simple to install and configure

Application

VISY-RF is used wherever the routing of cables is unfeasible, or would be too cost-intensive.

The wireless system proves beneficial in this scenario because no excavation work is required.

The wireless system is suitable for all above-ground and underground storage tanks.

Design

| VISY-Command RF / VISY-Command GUI RF | |
|---|--|
| Housing | up to 16 measuring sensors H 300 x W 300 x D 125/175 [mm] |
| Casing protection | IP20 |
| Weight | 6.7 kg |
| Ambient temperature | 0 °C to +40 °C |
| Supply | 230 V _{AC} ± 10 %, approx. 50 VA |
| Internal display | 5.7" TFT touch screen |
| Number of measuring sensors | 16 per sensor type |
| Host interface (RS232 / RS485) – Ethernet module (MoxaNPort5110) for long distance scanning – Modem for long distance scanning | standard optional optional |
| Service interface (RS232) – Modem for long distance scanning | standard optional |
| Extension interface (RS485) – VISY-View Touch display | standard optional |
| VISY-ICI 485 module – VISY-Output (relay outputs) – VISY-Input (digital switch inputs) | optional optional optional |
| Printer | optional |

| VISY-RFT module | |
|------------------------------------|---|
| Housing | H 82* x W 80 x D 55 [mm] |
| Casing protection | IP67 |
| Ambient temperature | -20 °C to +60 °C |
| Transmission frequency: | 433 MHz |
| Transmission range (line of sight) | max. 250 m |
| Battery operating time: | 8 years at 5-minute transmission intervals; 4 years at 1-minute transmission intervals |

(without cable glands and antenna)

Functions

| VISY-Command GUI RF | |
|--|----------|
| Communication with the PoS / BOS system or petrol station controller | standard |
| Automatic filler recognition | standard |
| Static leak detection | standard |