**VISY-Stick Flex**

**Technical data**

- **Probe length**
  - Maximum 22 m

- **Accuracy**
  - Precision: ± 1 mm
  - Repeatability: ± 0.5 mm
  - Resolution: 0.001 mm

- **Temperature**
  - Accuracy: ± 0.5 °C (at 20 °C)
  - 5xPt1000 temperature sensors

- **Process connection**
  - Screw-in unit for height adjustable installation
  - R 1½, stainless steel 303

- **Electrical connection**
  - M12 plug connector

- **Protection rating**
  - IP68

- **Sensor materials**
  - Housing made of stainless steel 303
  - Tube made of stainless steel 316Ti
  - Corrugated hose made of stainless steel 316L

- **Weight**
  - Stainless steel 303

- **Magnetic base**
  - Encapsulation with conductive plastic (PTFE with graphite)

- **Approvals**
  - Ex Zone 0 (ATEX, IECEx, NEPSI approval)

- **Temperature range**
  - Medium temperature - 40 °C to + 85 °C

- **Optional Density**
  - Accuracy: ± 2 g/l

**VISY-Stick Flex**

Level measurement for tall tanks

Technical changes reserved
VISY-X system for tall tanks

The VISY-Stick Flex is a specially designed level sensor for tall tanks. Due to its special flexible design, the sensor can be coiled one-time for simple transportation. This way VISY-Stick Flex can be packed compactly and shipped at a low cost. The VISY-Stick Flex operates according to the magnetostrictive measuring principle, achieving high levels of accuracy. Another advantage is the easy installation. After installation the corrugated tube of the sensor is stretched by a weight and fixed by a magnet to the bottom of the tank. Thus, the corrugated hose is positioned vertically and both the product and the water float can move up and down freely. The magnet additionally prevents unwanted movements of the probe tube. The VISY-Stick Flex level sensor can be operated wirelessly, too. The VISY-RFT transmitter (radio frequency transmitter) transmits the tank data recorded by the sensor wirelessly to the control unit VISY-Command RF (Radio Frequency). The control unit encloses the VISY-RFR receiver (radio frequency receiver) to which one or optionally two external antennas can be connected.

VISY-Stick Flex: The level measurement system for bulk storage tanks

Data recording and monitoring of filling levels

VISY-Stick Flex in tall tanks

... with wireless connectivity

- VISY-RFT Transmission unit with intrinsically safe power supply of the sensor
- External antenna
- VISY-Command RF
- External antenna
- VISY-Command GUI/Web RF with 7" touch-screen and printer (optional)

... with cable connectivity

- VISY-Stick Flex
  - Volume
  - Water
  - Temperature measurement
  Optional
  - Density measurement
- VISY-Command GUI/Web with intrinsically safe power supply of the sensors, as well as 7" touch-screen and printer (optional)
- VISY-View Touch/SECON-Client, the remote display for mounting in the office or at places which are accessible to authorized personnel
- VISY-Command GUI/Web RF

BENEFITS of FAFNIR technology

- 1½” opening (with Density 2”)
- Simple to install and set up
- Sensor length up to 22 meters
- Maintenance free
- Proven magnetostrictive measurement method
- One sensor for product filling level, product temperature and water level
- Reliable measurement
- High precision sensor
- Suitable for use in Ex Zone 0 (ATEX, IECEx approval)
- Measurement of all commercial fuels
- Tested at petrol stations
- Suitable for jet fuels because of stainless steel sensors
- Compact packaging and easy transport thanks to the corrugated tube
- Wireless link to VISY-Command RF possible
- Individual alarms via e-mail (VISY-Command GUI/VISY-View Touch)
- World-wide access to real time data with VISY-Command Web/SECON-Client

PLC available? Optionally with 4 to 20 mA and HART® output available.