

## VISY-Density

The highly accurate density measuring module

The VISY-Density module is designed for the measurement of fuel densities. It can be mounted on the VISY-Stick Advanced sensor without the need to install an additional sensor. In combination with the density module the VISY-Stick Advanced provides accurate information about the product filling level, water level, product temperature and product density in the tank.



The magnetostriuctive sensors  
VISY-Stick Advanced Density with screw-in  
unit (left) and for riser installation (right)

### Function description

Inside the VISY-Density module\* the buoyancy of a displacer is measured (Archimedean principle). It provides precise information as to whether fuel in the tank is in conformity with

legal and in-house standards. Any changes and deteriorations of the product quality can be measured and alarms can be configured in VISY-Command. The tank level gauging and

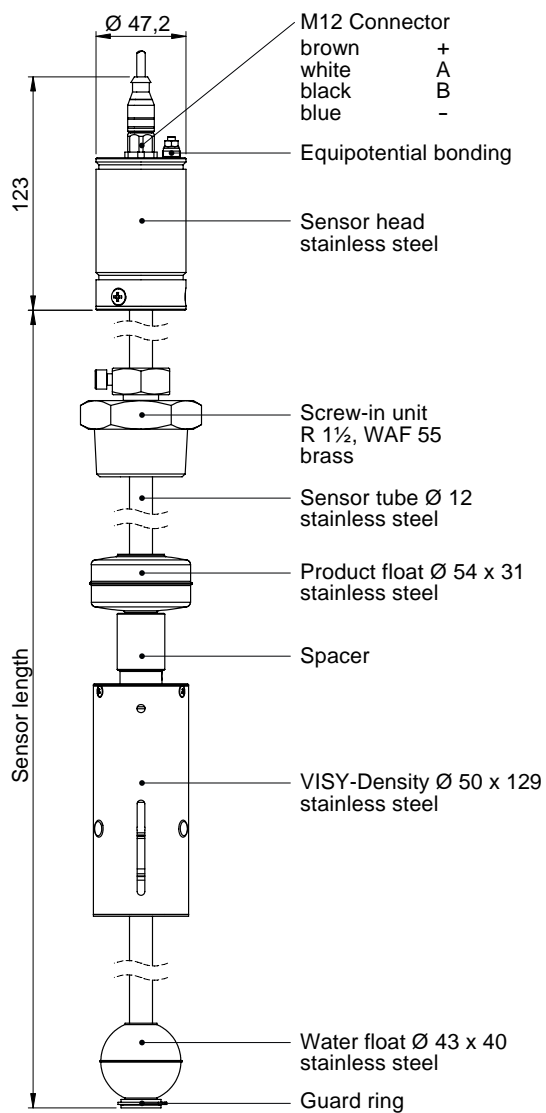
VISY-Density combination will enable you to control and manage your valuable wet stocks in every respect.

\* Patents pending

### Features of the FAFNIR technology

- Continuous and hysteresis free density measurement
- Function in conjunction with the level sensor VISY-Stick Advanced
- Compact design
- Quality control of fuels
- Recognition of water containing sump fluids in ethanol blends
- Determination of water content in E85 to E100 fuels

## VISY-Density



Dimensions in mm

Example

## Technical data

### VISY-Density

#### » Product:

Accuracy  $\pm 2$  g/l,  
Resolution 0.1 g/l

#### » Temperature range:

- 40 °C to +85 °C

#### » Dimensions:

Diameter 50 mm;  
Length 129 mm

#### » Operating pressure:

up to 16 bar

#### » Sensor material:

Stainless steel