

Temperature Measurement Cable

ET910



Features

- Accurate and reliable temperature measurement
- Up to 32 digital addressable 1-wire sensors
- IP67 water and dust protected design
- SWA protection tube with 3 tonne tensile strength

Description

ET910 multipoint temperature measurement cable is developed for reliable temperature measurement in grain silos during product long-term storage. The cables are installed vertically by suspension from silo ceiling or through the roof, by special fixing hooks or flanges.

Digital 1-wire temperature sensors with sequence detection function are used, so the physical position of each sensor in the cable is automatically detected.

ET910 temperature measurement cable is fully protected from water and dust and complies with ATEX requirements for Zone 20 and Zone 21 installations in grain silos. ATEX final certification pending.

Specifications

Type of sensors: digital, 1-wire (μ LAN interface)

Number of sensors in cable: up to 64

Interval between sensors: 1...3 m

Measurement range: -40...+85 °C

Resolution: 0,0625 °C

Accuracy: <0,5 °C

Power supply: 3,0...5,5 VDC

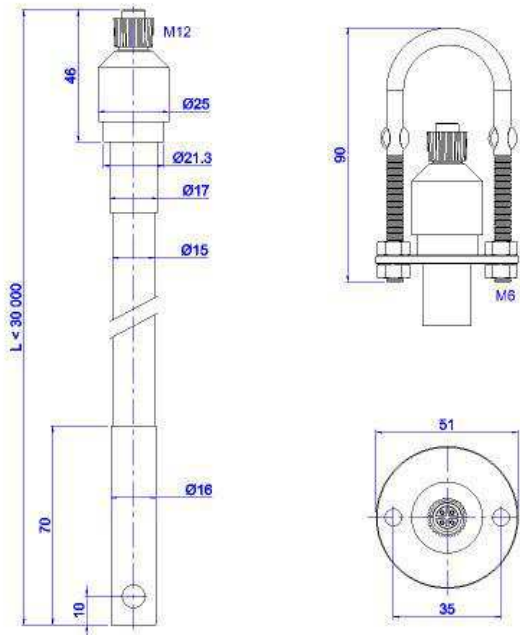
Connection: M12 female 4-pole connector

Operation range: -40...+85 °C, 0...100 %RH

Protection class: IP67

Protection tube: Steel Wire Armoured tube \varnothing 15 mm

Tensile strength: 30 kN (3 tonnes)



Dimensions



Upper holder assembly



Steel Wire Armoured protection tube



Lower end assembly



Roof-top holding plate assembly