

SPECIAL PROJECTS

Projects created on request or according to client specifications.

Flexible temperature gauge probe type: JAUGEFLEX

- **Tank or reservoir temperature application**

- Analog or digital technology

Standard PT100 sensing elements,

NTC, PTC, PT1000

or addressable digital sensing elements

allowing connection of 24 sensors via 3 wires

Temperature range: -55°C to +125°C

- **ATEX approved**

Notification: 01atex 6052x (Zone 0 or Zone 20)

- Outer sheath depending on the application

Hydrocarbon resistant

(PTFE or synthetic rubber)

Compatible with food applications (PEX)

Very low adhesion

Small diameter: 14 mm to 20 mm

IP68 waterproof



JAUGEFLEX flexible silo probes are available in lengths up to 50 meters and with up to 46 temperature measurement points.

They come in two versions:

one with analog sensing elements such as PT100, PT1000, NTC, and PTC; the other with addressable digital sensing elements.

1) Analog version (JAUGEFLEX-A) Two wiring configurations are possible:

- Independent sensors (2- or 3-wire connection) with line length compensation, recommended for PT100 sensing elements. In a 3-wire connection, a maximum of 8 elements are possible per sensor. In a 2-wire connection, a maximum of 12 elements are possible.

- Common-point sensors (2-wire connection only) without line length compensation, recommended for PT1000, NTC, and PTC. A maximum of 24 elements are possible per sensor.

2) Digital version (JAUGEFLEX-N)

In this technology, the sensing elements are addressable silicon sensors

with a unique serial number. All elements are connected in parallel on a 3-wire bus, greatly simplifying wiring and reducing implementation costs.

Data processing: LOREME recommends INL100 and INL100N data acquisition units (for digital sensors) for operating its silo probes. These units enable monitoring, visualization, alarm management, and communication with a PLC or PC (Modbus or Profibus protocol).

