

## Transducer 9000

suitable for

MIVI Process Viscometer



Picture similar

the easy-to-use digital transducer

- The 9000 transducer is dedicated to be combined with MIVI sensor resonant loop. The set is offering continuously and reliable measurement.
- Easy and simplified installation: The 9000 transducer is located near to MIVI sensor, thanks to the standard 3 meters long sensor cable and is connected to the processor by RS 485 bus that allows distance up to 1000 meters.
- Interchangeability. The setting parameters of the unit are stored in the non-volatile EEPROM memory of the 9000 transducer that allows the connection to any 9510 or 9710 processor
- Versatile protection: 3 types of housings allow the implementations of 9000 transducer either in electronics cabinet, in safe area or in Ex-proof environment
- Improves process operations: reliable, repeatable and continuous viscosity and temperature measurements combined with superior quality result in permanent production efficiency and increased profitability.

### Some typical applications:

#### Chemistry

Polymers, plastics, resins, gels

#### Paints and varnishes, coatings, printing industry

#### Food

Dairy products, cheese making, juices, sauces

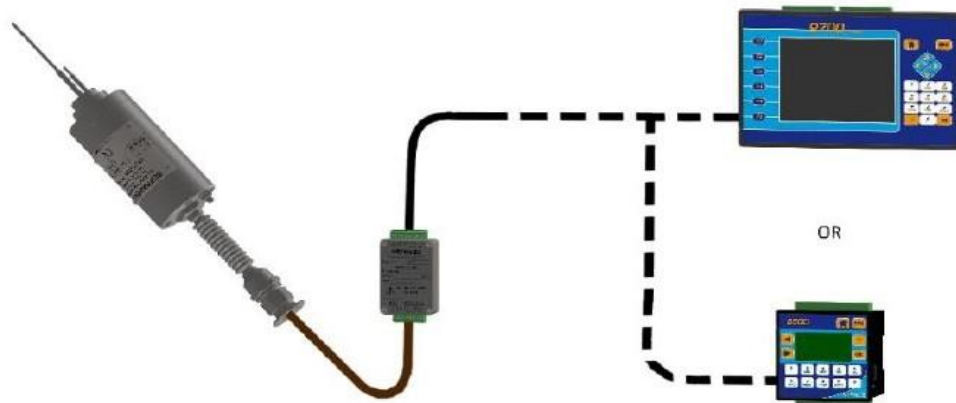
#### Refinery

Diesel, gasoline, heavy oil, bitumen

#### Pharmacy and Cosmetics

Shampoo, creams, gel capsules





## Technical Data

### Input

between 0,1% and 0,5% of measurement from 10 % to 90 % of the full scale range

### Resolution

### Outputs

1 x RS485, 2 wires, 1000 m max to processor 9510 or 9710

### Processor

9510 viscosity and temperature processor for one single MIVI viscometer

9710 multi-sensors processor for up to 4 MIVI viscometers

### Housing

#### IP 20

Dimensions: approx. 80 x 55 x 25 mm

Weight: approx. 0,2 g

Material: Aluminium

Protection class: IP 20

Working temperature: 0 to 50°C

5% to 95% RH (non condensing)

#### Housing

#### IP 65

Dimensions: approx. 160 x 100 x 60 mm

Weight: approx. 0,7 kg

Material: Aluminium with epoxy painting - 3 polyamide cable glands

Protection class: IP 65

Working temperature: 0 to 50°C

#### Housing

#### ATEX Ex-proof

Dimensions: approx. 198 x 198 x 150 mm

Weight: approx. 6,0 kg

Material: Aluminium with epoxy painting - 3 nickel-plated brass cable glands

Protection class: IP 65

ATEX marking: II 2 G/D Exd T6

Working temperature: 0 to 40°C

### Security

Settings stored in EEPROM memory

### Power input

24VDC (21,6 to 26,4 VDC)

### Regulatory

CE marked (European conformity)

### Options

Power supply: DIN-rail type 88 to 264 VAC - 24 VDC

Power supply: universal plug type 100 to 240 VAC - 24 VDC