

VPS805 Series Bimetal Thermometer

Operational Principle

The bimetallic thermometer operates on a bimetallic strip formed into a coiled, ring-shaped curve, composed of two different metal plates. When one end of the strip is heated, it expands, causing the pointer to rotate and indicating the corresponding temperature on the instrument.

Product Application

- Power
- Petroleum
- Chemical industry
- Agriculture
- Foodstuff
- Commissariat
- Medical treatment
- Water conservancy
- Detection device



Product features

Provides real-time temperature display for intuitive and convenient monitoring. Offers high safety and long service life, with multiple structural configurations available to meet a wide range of on-site requirements.

Technology Information

Product line

VPS805-W Temperature meter

Expansion form

S Metal expansion type

Thermistor material

S Bimetal

Case nominal diameter

3 $\Phi 60$ 4 $\Phi 100$ 5 $\Phi 150$

Position characteristics

0 Axial (straight) 1 Radial (angular) 2 135°C to (obtuse angle type)

8 Universal (adjustable angle type)

Install the mounting device (specifications for threads or flanges must be specified in the contract)

0 No fixed device 1 Movable external thread 2 Movable internal thread

3 Fixed thread 4 Fixed flange 5 Casing thread

6 Flange sleeve

Form of protection

None Normal form W Protective type F Corrosion resistant

Connection method for pipelines (if threaded connections are used with on-site pipelines, the contract must specify the thread specifications)

TH01 Protective tube welding TH02A Mounting base TH03 Flange tube

TH02B Welded tube mounting base

Protective tube diameter (The length below the slope must be stated in the contract)

(If there is no protective tube, the diameter of the protective tube, the insertion length below the thread or flange must be stated)

0 $\Phi 16$ 1 $\Phi 12$ 2 $\Phi 10$

Other requirements

Example of selection

VPS805-WRNB-24D6S/FL/ZN-TH011

Product Details



Welded casing (TH01) Installation base (TH02B&TH02A)



Welded casing (TH01) Installation base (TH02B&TH02A)