

Gas Expansion Capillary Thermometer



QYT Series is a kind of gas expansion thermometer, with all stainless steel construction and wetted part. With high temperature measurement up to 650°C, suitable for corrosive environment in chemical industrial, processing, machinery, piping, building construction and various industries. Liquid fillable for extreme vibration application. QYT Series are designed mostly pipe and tank application, where corrosive and remote function is concern.

Technical Specification

Nominal Size: 4", and 6" (100 and 150mm)

Accuracy Class: Class 1.6

Connection Size: Sliding connection standard Size G $\frac{1}{4}$ ", G $\frac{1}{2}$ " or NPT

Temperature Scale Range: -40° .. +650°C (-120° .. +1200°F)

Mounting: Bottom, Back, wall or panel mount

Sensing Element: Gas filled measuring system

Filling: Dry, but fillable Silicone oil

Maximum Pressure On Stem: Maximum 25 Bar

Bezel Ring Type: Hermetically sealed fastening type

Dial Graduation: Standard in dual ranges °F and °C, red and black Single range °F or °C black on white background

Design Material

Casing, Bezel Ring & capillary: Stainless steel 304

Probe/ Bulb Sensor: Stainless steel 316

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Connection: SS 304, sliding connection standard, or Union rotatable connection

Window: Plain instrument glass

Pointer: Black painter aluminum

Dial Plate: Aluminum alloy, bowl cupped type