

WYD-X Double Needle Duplex Pressure Gauge



WYD-X Double Needle Duplex Pressure Gauge is mainly used for locomotive vehicles used to measure the pressure inside the hydraulic system or cylinder. It can also be used for non-corrosive, non-crystalline and solidification of the various media pressure measurement. The instrument can simultaneously measure two pressures that are the same or different (the difference between the two should not be greater than 1/3 of the upper limit of the scale range).

WYD-X Double Needle Duplex Pressure Gauge consists of two sets of independent measurement systems and indicating devices (two matched bourdon tubes, two pointers for displaying, and two different but related pressures on the same dial). The working principle of the instrument is based on the elastic deformation of the elastic element (the spring tube in the measuring system). The pressure of the measured medium forces the ends of the two spring tubes to produce a corresponding displacement, by means of the rod and the gear to drive transmission and to enlarge, and indicated the two measured values on the dial by the red, black pointer fixed on the gear shaft.

Technical Specification

Dial diameter: 100mm

Accuracy: 1.6%

Ambient temperature: -20~60°C

Humidity: less than 80%RH

Temperature effects: not more than 0.4% / 10 °C (temperature deviation from 20 ± 5 °C)

Shell Material: Iron

Socket: Brass, back mounting or bottom mounting.

Tube: Brass or copper alloy

Connection: thread M16*1.5 (bottom installation); thread M14*1.5 (back installation)

Window (lens): Polycarbonate

Dial plate: Single or dual scale



Pointer: Two pointers with different colors

Weight: 0.7Kg.

Model Selection

| | | |
|-----|--|---|
| WYD | Double Needle Duplex Pressure Gauge | |
| - | (Pressure range) | e.g. (0-10bar) or (0-1MPa) etc. |
| - | Installation type | None: bottom installation connection Z: back installation connection |
| -A | Installment type | 1: thread M16*1.5 (bottom installation) 2: thread M14*1.5 (back installation) 4: customer specified |

Dimensions

