

WYRC-X Rectangular Pressure Gauge



WYRC-X Rectangular Pressure Gauge is suitable for the measurement of boiler ventilation equipment, etc. it is generally used for the measurement of micro pressure and negative pressure of gases which have no corrosive effect on copper alloy and have no explosion risk.

The instrument consists of elastic element, transmission mechanism and shell. The elastic element is a corrugated membrane box made of tin phosphor bronze foil. When the measured medium enters the free end of the membrane box from the conduit, it will produce displacement, drive the transmission mechanism to deflect the pointer shaft, and the pointer will indicate the pressure reading value on the dial.

Specifications

Pressure range: refer to model selection

Humidity: less than 85%

Medium temperature: -20 ~ 60 °C

Accuracy class: 2.5%

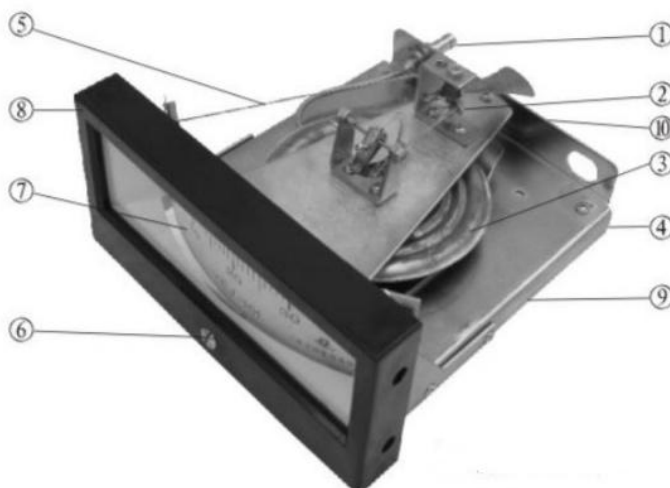
Sensitivity: less than 0.5% of the measurement range

Allowable ambient vibration: frequency 25Hz, amplitude 0.1mm

Weight: 1.6kg



Structure of Instrument

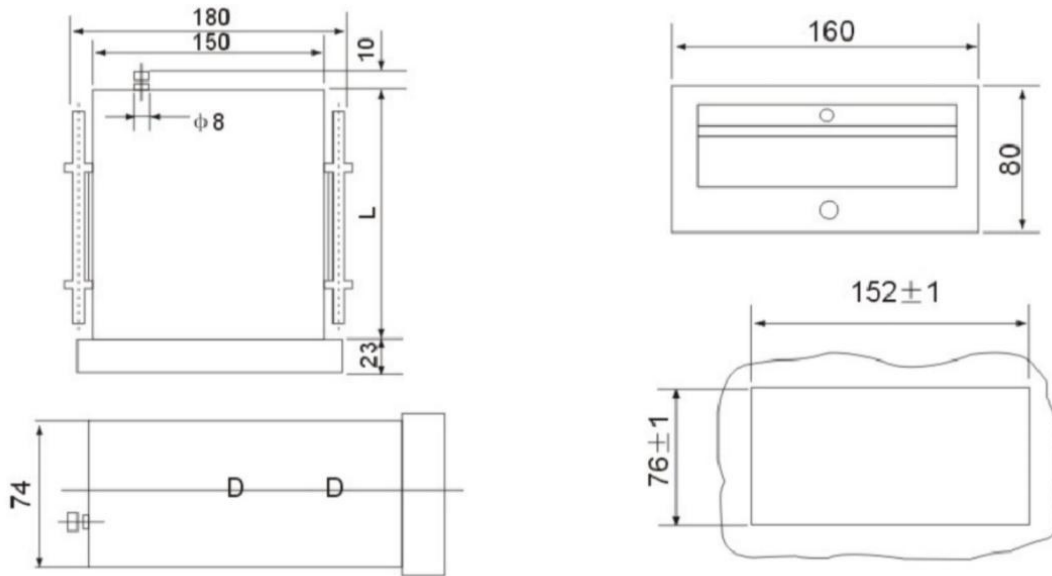


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1. Intake nozzle
 2. Gossamer
 3. Bellows
 4. Transmission mechanism
 5. Pointer
 6. Zero adjustment screw
 7. Dial
 8. Front cover
 9. Floor
 10. Pull rod

Notes of Use

1. The distance between the instrument installation site and the pressure measurement site shall not exceed 50m.
2. The pressure extraction pipe shall be placed at the place with the minimum air flow velocity in the airway, and the notch of the pressure extraction pipe shall be parallel to the air flow direction, otherwise, the instrument will not only measure the static pressure, but also reflect the dynamic pressure, resulting in errors.
3. The connecting pipeline connected to the smoke and air pipeline or other measuring points must be connected at the upper part of the pipeline so that the condensate, grease or other sediment cannot enter the connecting pipeline.
4. The connecting pipe of the instrument is made of 12.7mm diameter iron pipe. If the gas is dirty, the diameter of the connecting pipe can be increased.
5. From the place where the pressure is measured to the instrument connecting pipeline, it shall be laid at a gradient of 1:100-3:100. Install drain at the lowest point of the pipe. If the gas is dirty, it is recommended to install a cross joint at the turning of the connecting pipe to make it possible to clean or blow the pipe.
6. The rubber tube with inner diameter of 6 mm and outer diameter of 8 mm shall be used for the connection from the instrument to the connecting pipeline.
7. Before connecting the instrument to the connecting pipeline, the tightness of the connecting pipeline shall be verified.
8. Before or during the use of the instrument, the accuracy of its display value shall be checked regularly, and the connecting pipeline shall be purged with compressed air regularly.

Dimension


Models

Model	Positive pressure(Pa)	Negative pressure(Pa)	Positive/negative pressure(Pa)
WYRC-16	0~160	-160~0	-80~+80
WYRC-25	0~250	-250~0	-120~+120
WYRC-40	0~400	-400~0	-200~+200
WYRC-60	0~600	-600~0	-300~+300
WYRC-100	0~1000	-1000~0	-500~+500
WYRC-160	0~1600	-1600~0	-800~+800
WYRC-250	0~2500	-2500~0	-1200~+1200
WYRC-400	0~4000	-4000~0	-2000~+2000
WYRC-600	0~6000	-6000~0	-3000~+3000
WYRC-1000	0~10000	-10000~0	-5000~+5000
WYRC-1600	0~16000	-16000~0	-8000~+8000
WYRC-2500	0~25000	-25000~0	-12000~+12000
WYRC-4000	0~40000	-40000~0	-20000~+20000