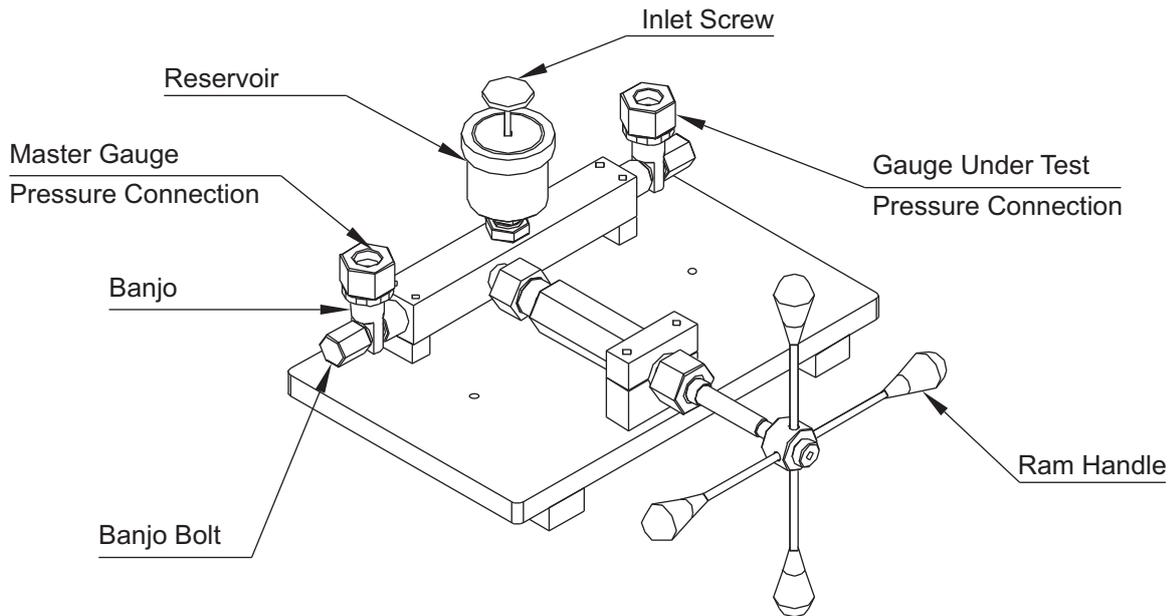


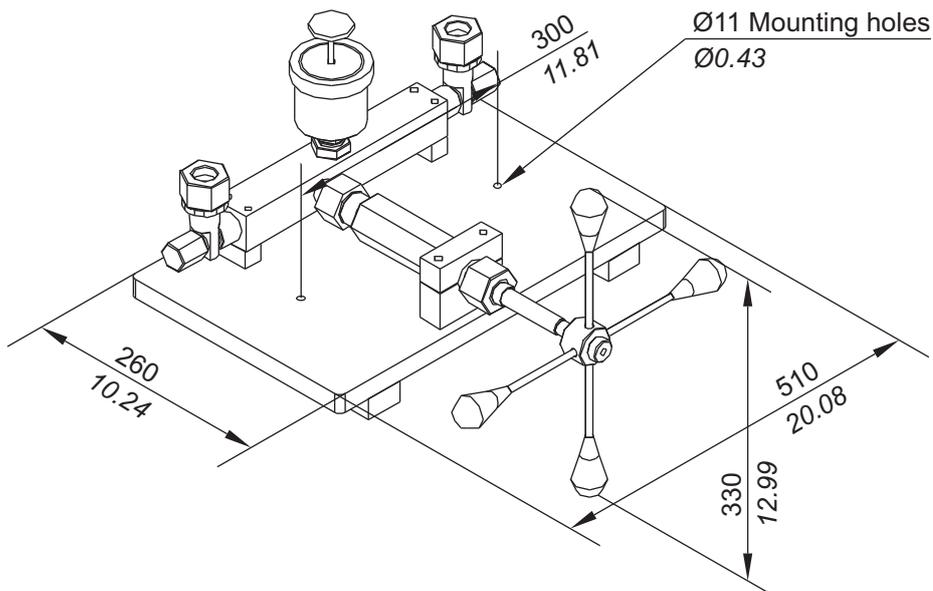
TR COMPARISON TEST PUMP



USER END DETAILS



INSTALLATION DRAWING



APPROX. DIMENSIONS IN $\frac{\text{mm}}{\text{inches}}$

General information:

A comparison test pump is a device by which pressure gauges can be calibrated in comparison with master pressure gauges. These can also be used for comparison of master gauges with normal use pressure gauges after periodic intervals to detect a drift in calibration. The unit is portable and comes in handy during pressure gauge calibration verification in ISO 9000 companies. Standard process connection provided is 3/8" BSP female. Adaptors to suit individual pressure gauges can be provided as accessories

Features:

- Portable
- Lightweight
- Suitable for both bottom and back connection pressure gauges

Range Selection Table

Range Code	Range bar (psi)
TR 400 MD	0 - 400 (0 - 5714.29)
TR 700 MD	200 - 700 (2857 - 10000)

Testing procedure for comparing pressure gauges

Mount the master pressure gauge on the left hand side adaptor and gauge under test on right hand side adaptor. Fill the reservoir with kerosene.

To fill the system with kerosene proceed as follows:

1. Unscrew the inlet screw of reservoir
2. Take the ram out by rotating the ram handle anticlockwise to the extreme end. This will fill the system with kerosene.
3. To remove any air trapped inside the system, turn the ram handle clockwise to the extreme end. The presence of air is established if bubbles appear in the reservoir.

Repeat steps 2 and 3 till no bubbles appear in the reservoir.

Take the ram handle fully out and tighten the inlet screw. When the ram handle is rotated clockwise, the pressure in the system starts increasing and the two pressure gauges can be compared with each other.

The gauges can be tilted to a convenient angle by loosening the bolt and rotating the banjos as per requirement, before the system is pressurized. The banjo bolt has to be tightened after attaining the desired angle. This facility is particularly useful in pressure gauges with back connection.

The pressurizing fluid used should be kerosene (not supplied with the equipment). The *wetted parts are mild steel, nitrile, and teflon*. As such, only pressure gauges used on process fluids compatible with kerosene and the wetted parts can be / should be checked / compared using the comparison test pump.

Please Note:

A comparison test pump is only a device to generate pressure. As such, it has no accuracy and no such certificate of accuracy can be provided for these devices.

How to order Parus comparison test pumps.

Specify the model by choosing the item code in the range selection table. Give the details of accessories needed, if any, in text.