

**TECHNICAL DESCRIPTION:**

A fabricated quadrant is mounted on a balance arm, which pivots on knife edges. The knife edges coincide with the centre of the arc of the quadrant. This means that when the quadrant is immersed, the only force that gives rise to a moment about the knife edges is the hydrostatic force acting on the end face of the quadrant. The balance arm incorporates a hanger for the weights supplied and an adjustable counterbalance. This assembly is mounted on top of an acrylic tank, which may be levelled by adjusting screwed feet. Correct alignment is indicated on a circular spirit level mounted on the base of the tank. An indicator attached to the side of the tank shows when the balance arm is horizontal. Water is added to the tank via a flexible tube and may be drained through a valve in the side of the tank. The water level is indicated on a scale on the side of the quadrant.

TECHNICAL SPECIFICATION:

- Flotation tank with adjustable feet
- Accurately formed plastic quadrant
- Lever arm with counterbalance and weight hanger
- Educational software available as an option
- Cross-sectional area of quadrant (toroid) $7.5 \times 10^{-3} \text{ m}^2$

SCOPE OF DELIVERY:

- 1 Self-contained "Hydrostatic Pressure Apparatus" .
- 1 Instruction Manual consisting of experimental procedures, block diagram etc.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com