



# USER MANUAL

# HYDRAULIC HAND

# PUMP

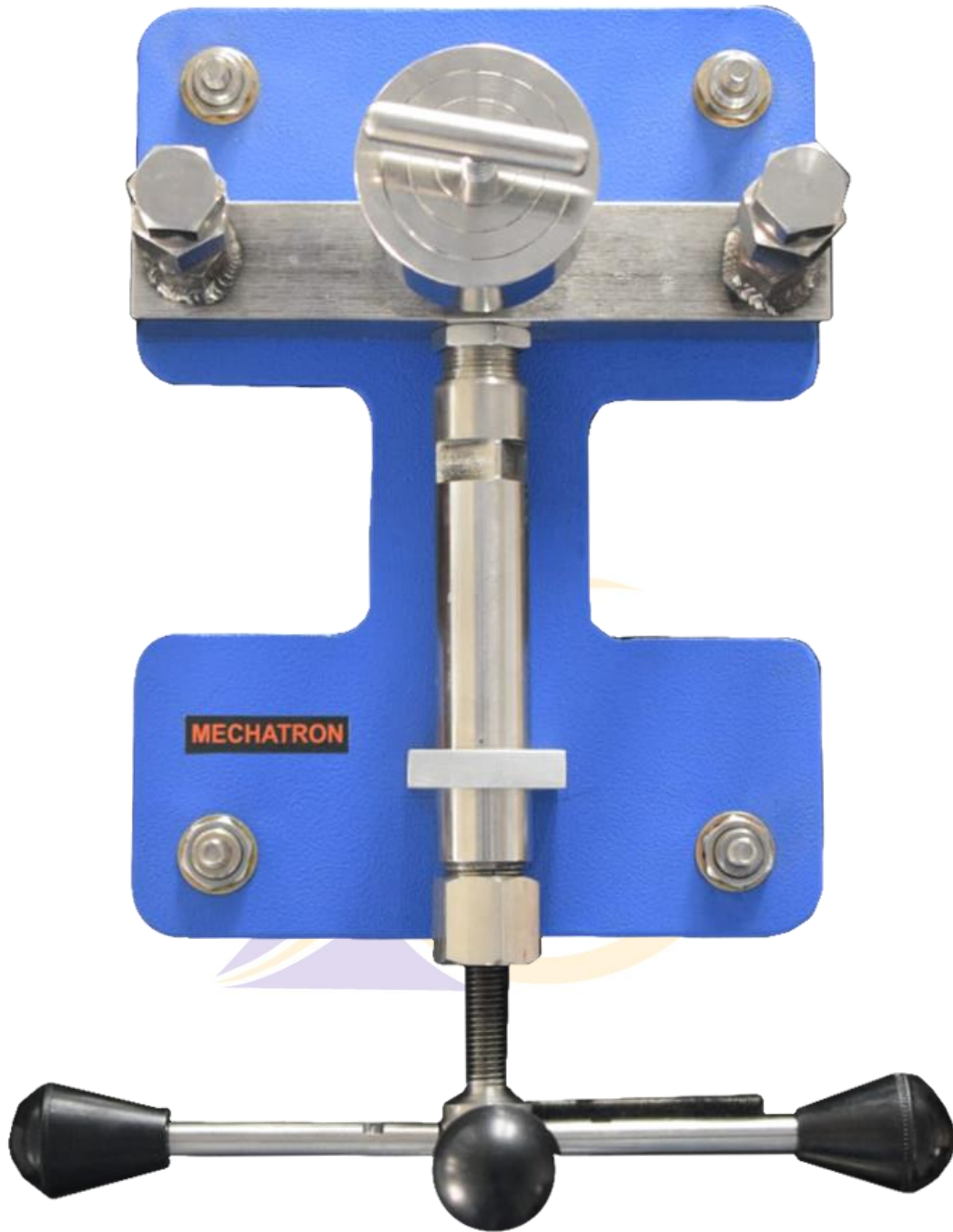
**MECHATRON CALIBRATION AND INSTRUMENT**

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**HYDRAULIC PUMP**

## **TECHNICAL SPECIFICATION**

Model : MCI-700 HP

Range : 0 to 700 bar

Medium : Oil / Water

## **OPERATING PROCEDURE**

- Fit the Master and Test Calibrators in the ports with suitable adopter and Washers.
- Check all system fittings and connections to be sure that they are tight and leak free.
- Check medium level (Oil or water) in the reservoir before operating.
- Release the vent valve.
- Release the Ram fully outside by rotating the Ram anticlockwise direction.
- Close the vent valve in the reservoir
- Rotate the Ram in clockwise direction
- Repeat the steps 4 to 5 times to remove the air bubbles
- Apply the pressure through ram
- Use the ram in clockwise to increase the pressure
- Use the ram in anticlockwise to decrease the pressure
- Allow the system to stabilize for 10 to 15 minutes.
- After calibration release the ram fully out
- Open the vent valve in the reservoir to release pressure, allowing medium to flow back to the reservoir.
- Remove the calibrators under testing