



Since 1972



AN ISO 9001:2008 COMPANY

## For **Primary & Interface Liquid Level** Testing & Calibration of various Types / Models of Level Measurement (& Control) Devices

including

**Float / Displacer / Radar / Capacitance / Ultrasonic / Magnetic**  
*- both In-built & External Chamber types*

# LEVEL TEST & CALIBRATION SYSTEM

## LTR 600 Series



Heavy Duty Skid Mounted Rig,  
(Unit installed at Kuwait Oil Company, Kuwait)

## LTB 600 Series



Laboratory Test Bench

### Features

- State of the art - Simple design
- Ranges : 1000 / 1500 / 2000 mm
- Digital Display - High Resolution / Accuracy
- Precise Magnetostrictive Type Reference Level Transmitter
- Precise (Automatic) Control of Level thro' Miniature Pneumatic Control Valves
- Laser Zero Datum Setter (Transmitter & Receiver)
- Software enabled Data Acquisition & Printing of customized Calibration Reports
- Common mounting flange to suit / Mount flanged Devices under Test
- Manual Hydraulic / Electrically Actuated lifting arrangement  
(For Test Chamber height adjustment)
- Stand-alone Hydrostatic Pressure Test equipment
- Skid mounted platform with Drip Tray & Lifting Lugs (LTR 600) /  
Test Bench - Floor Mounted (LTB 600)

### Tests include ...

- Linearity
- Dead Band
- Sensitivity & Resolution
- Pressure Test
- Hysterisis
- Repeatability
- Functional

(P.T.O)

# Specifications

## Level Ranges / Span

Model	Range / Span
LTR 610 / LTB 610	1000 mm
LTR 615 / LTB 615	1500 mm
LTR 620 / LTB 620	2000 mm



## Reference Measurement Column

Type : Transparent Perspex  
 Dimensions : 100 mm Dia x 1000 / 1500 / 2000 mm long x 5 mm thick (Min.)

## Test Chamber (LTR 600)

Material : SS 316  
 Dimensions : 4" sch 80 Pipe x 1000 / 1500 / 2000 mm long  
 Top end connection : Common Mating SS Flange  
 With bolt slots to suit Units / Devices under Test

## Test Chamber (LTB 600)

Material : Perspex  
 Dimension : 100 mm Dia x 1000 / 1500 / 2000 mm long  
 Top end connection : Common Mating SS Flange  
 with bolt slots to suit Units / Devices under Test  
 Mounted on Castor Wheels

## Reference Level Transmitter (LTR 600)

(Mounted on Reference Measurement Column)

Transmitter Type	Magnetostrictive Type
Measuring Span	1000 / 1500 / 2000 mm (1 / 1.5 / 2 Meters)
Measurement Type	Total or Interface Level
Accuracy	±1.27 mm or ±0.01% F.S. whichever is greater
Supply Voltage	13.5 to 36 VDC (Loop powered)
Output	4 to 20 mA (standard)
Probe material	SS316 L
Mounting	Flanged

## Pressure Test Equipment (stand-alone)

Pneumatic operated  
 Output Pressure (Hydraulic) : 100 Bar  
 Medium : Water



## Utilities / Supplies required

Power : 230 VAC, 50 Hz  
 Compressed Air (Dry) at 7 Bar / 100 psi  
 Water at Pressures 1 to 3 Bar



## Hydraulic Lifting Arrangement (Manual) - LTR 600

To lift Test Chamber - Dia not exceeding 120 mm  
 Height adjustment Span : 250 to 500 mm

## Electrically Activated Lifting Arrangement (LTB 600)

To lift Test Chamber Dia 120 mm Max.  
 Height Adjustment Span : 250 mm.  
 To lift Operator for fixing Units Under Test (UUT) on top of Test Chamber.

## Platform / Skid - LTR 600

Material : Stainless Steel  
 Gross Weight : 350 Kg. (Approx.)  
 Dimensions :  
 1800 mm x 1200 mm Base (approx.) X 5 mm thick  
 (Maximum height : 2500 / 3000 / 3500 mm)

## Test Bench (LTB 600)

Ergonomically Designed Test Bench  
 Tubular Steel Frame with Particle Board Work-top.  
 Dimensions : 1300 x 1800 mm x Height to suit.



Manufactured by :  
**Nagman Instruments & Electronics (P) Ltd.**  
 Chennai, INDIA.  
**Phone** : +91-44-26811704 / 26811708  
**Mail** : support@nagman.com  
**Fax** : +91-44-26811703  
**Site** : www.nagman.com

