

# TECNIMETAL

Advanced Materials Testing Solutions

## IST-SERIES

Digital Force Gauge



Digital push-pull gauge with multi-functions and RS232 output.

The IST-300D Series Digital Force Gauge is ideal for applications where users require basic peak force measurement. The IST-300D Series is available in eight capacities (2N, 5N, 10N, 20N, 50N, 100N, 200N, 500N) and features an integral load cell with a measurement accuracy of better than 0.5% full scale.



## FEATURES

- High accuracy  $\pm 0.5\%$  of full scale
- Peak hold function
- Tolerance setting
- Calculation of average values
- Lbf, Kgf and Newton units
- RS232 digital output
- Clear LCD display showing all functions and parameters
- Supplied with standard accessories and software
- Optional stands available

## TECHNICAL SPECIFICATIONS

|                         |                                     |
|-------------------------|-------------------------------------|
| • Measurement unit      | Lbf, Kgf or Newton                  |
| • Accuracy              | $\pm 0.5\%$ of full scale           |
| • Resolution            | Depending on range, see table below |
| • Output                | RS232                               |
| • Memory                | 10 readings to calculate average    |
| • Power                 | Rechargeable Ni-Hi batteries        |
| • Battery life          | 20 hours of use                     |
| • Operating temperature | 20°C $\pm$ 10°C                     |
| • Dimensions            | 225 x 65 x 35mm                     |
| • Weight of main unit   | 650g                                |

## MODEL SELECTION

| Code No.        | Range    | Resolution |
|-----------------|----------|------------|
| <b>IST-300D</b> | 0 - 2N   | 0.001N     |
| <b>IST-305D</b> | 0 - 5N   | 0.001N     |
| <b>IST-310D</b> | 0 - 10N  | 0.005N     |
| <b>IST-315D</b> | 0 - 20N  | 0.01N      |
| <b>IST-320D</b> | 0 - 50N  | 0.01N      |
| <b>IST-325D</b> | 0 - 100N | 0.05N      |
| <b>IST-330D</b> | 0 - 200N | 0.1N       |
| <b>IST-335D</b> | 0 - 500N | 0.1N       |

## STANDARD DELIVERY

- Main unit
- AC adaptor
- 5 measuring tips
- 4 M3 x 8 mounting screws
- CD-ROM with PC software
- Extension shaft
- ISOTEST certificate
- Instruction manual

## OPTIONAL ACCESSORIES

- Adjustable height stand
- RS232 serial cable
- UKAS calibration certificate

## ORDER DETAILS

- **IST-300D**
- **IST-305D**
- **IST-310D**
- **IST-315D**
- **IST-320D**
- **IST-325D**
- **IST-330D**
- **IST-335D**

