



Multi-Functional Digital Force Gauge IPX-800

With integrated load cell and external load cell

Features

- High accuracy +/- 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



Stand: IPX-880



Stand: IPX-885



TECHNICAL SPECIFICATION

| | |
|-----------------------|-------------------------------------|
| Measurement unit | Lbf, Kgf or Newtons |
| Accuracy | +/-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 +/- 10°C |
| Dimensions | 225 x 65 x 35mm |
| Weight of main unit | 650g |

Code No.

| (Integrated load cell) | Range (N) | Resolution (N) |
|------------------------|-----------|----------------|
| IPX-801 | 0 - 2 | 0.001 |
| IPX-802 | 0 - 5 | 0.001 |
| IPX-803 | 0 - 10 | 0.005 |
| IPX-804 | 0 - 20 | 0.01 |
| IPX-805 | 0 - 50 | 0.01 |
| IPX-806 | 0 - 100 | 0.05 |
| IPX-807 | 0 - 200 | 0.1 |
| IPX-808 | 0 - 500 | 0.1 |

IPX-880 STAND SPECIFICATION

| | |
|-----------|-----------------------|
| Dimension | 152x233x425mm (LxWxH) |
| Weight | 10.6Kg |
| Capacity | 500N |
| Stroke | 70mm |

IPX-885 STAND SPECIFICATION

| | | |
|---------------------|---------------------|----------------|
| Dimension | 245x430x570 (LxWxH) | |
| Weight | 24.2Kg | |
| Test speed: | 50-245mm/min | Capacity: 200N |
| Test speed: | 200-500mm/min | Capacity: 500N |
| Stroke | 250mm | |
| Accuracy of speed | 10% | |
| Resolution of speed | 5 mm/min | |
| Max Cycle Times | 9999 | |

Standard Delivery

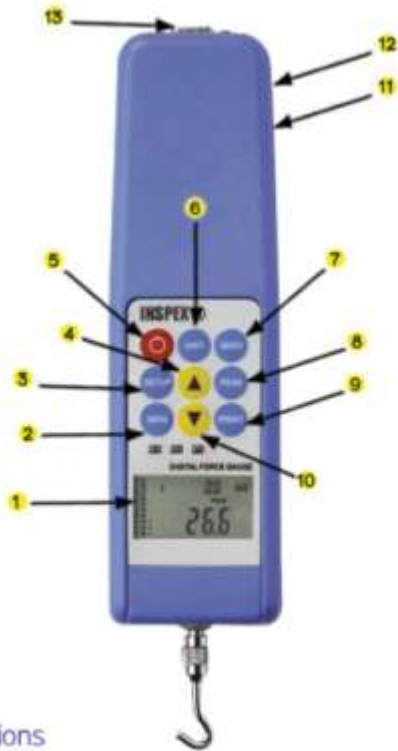
- Main unit
- AC adaptor
- 5 measuring tips
- 4 M3 x 8 mounting screws
- CD-ROM with PC software
- Extension shaft
- Inspex certificate
- Instruction manual

Optional Accessories

- Various stands
- UKAS calibration certificate
- RS232 serial cable

FORCE GAUGE IPX-800

1. LCD
2. Memory
3. Setup
4. Increase displayed
5. On / Off Button
6. Unit
7. Zero button
8. Peak
9. Print
10. Reduce display
11. Reset
12. Adapter socket
13. RS232 port



Front Panel Descriptions



1. Display measured value; in setting mode, it is the setting value
2. Unit of force: "N", "lbf", "kgf" optional; automatic conversion of each unit is available.
3. Print the memory data.
4. Indicates the power content. When the battery is lower the battery symbol will flash, indicating the force gauge needs charging. When the battery is charged, it is indicated by solid lines in the battery symbol.
5. [PEAK] is display in normal peak hold mode. [AUTO PEAK] is displayed when set between 1-10s. Peak hold will automatically cancel after this set time.
6. Auto calculate the average value of memory data and indicate set functions in setting mode.
7. Direction of force: "↓" for tension testing. "↑" for compressive testing.
8. Memory value "0-9" the force gauge can store 10 results. ">" Represents the shown value. "✓" Result has been saved.
9. Average test value.

LCD Display window

1. Carry Case
2. Main Unit
3. AC adaptor
4. 5 Measuring tips
5. 4M3 x8 mounting screws
6. Extension shaft
7. CD-ROM with PC software
8. RS232 Serial cable
9. Calibration Certificate
10. Operation Manual



Complete Set



5 Measuring tips



RS232 Port



Extension shaft



Option

Stand IPX-880

Stand IPX-885