PTARAX ZP Series Digital Force Gauge

Precision Force Measurement for Industrial Applications





PRODUCT DESCRIPTION

The PTARAX ZP Series Digital Force Gauge is a compact and versatile instrument designed for accurate tension and compression force measurement. Available in capacities from 5 N to 3000 N, the series combines high-resolution measurement, fast sampling and advanced data-management functions in a durable handheld housing.

The force gauge supports real-time tracking, peak hold and automatic peak measurement modes. Up to 999 test results can be stored internally, with minimum, maximum and average values available for convenient data analysis. Programmable upper and lower limits provide clear -NG, OK and +NG indications for comparative testing and quality-control applications.

Measurement data can be transferred to a computer for recording and further analysis. The instrument can be used as a portable handheld force gauge or mounted onto a compatible test stand for more controlled and repeatable measurements.

STANDARD DELIVERY

- Digital Force Gauge
- Test Attachments
- Extension Rod
- AC Charging Adapter
- USB Data Cable
- Test Software
- Operation Manual
- Inspection Certificate
- Warranty Card
- Protective Carrying Case

KEY FEATURES

- Measures both tension and compression forces
- Capacities available from 5 N to 3000 N
- Accuracy of 0.5%
- High-speed sampling at up to 1000 samples per second
- Selectable N, kgf/gf and lbf measurement units
- Large LCD with backlight display
- Displays minimum, maximum and average stored values
- Compact, ergonomic design with a durable metal housing

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TECHNICAL SPECIFICATIONS

Feature	Description
Product series	PTARAX ZP Series Digital Force Gauge
Measurement type	Tension and compression
Available Models	5 N to 3000 N
Accuracy	0.5%
Display	Five-digit reversible LCD
Measurement units	N, kgf/gf and lbf
Sampling rate	Up to 1000 samples per second
Resolution	0.001N – 1N (depending on model)
Operating temperature	10°C to 30°C
Dimensions	220.5 × 78 × 32.3 mm
Weight	Approximately 520 g

MODEL COMPARISON

Model Number	Type	Range	Resolution	Accuracy	Sampling Rate
ZP-5	Digital	5N	0.001N	±0.5%	1000Hz
ZP-10	Digital	10N	0.01N	±0.5%	1000Hz
ZP-20	Digital	20N	0.01N	±0.5%	1000Hz
ZP-50	Digital	50N	0.01N	±0.5%	1000Hz
ZP-100	Digital	100N	0.01N	±0.5%	1000Hz
ZP-200	Digital	200N	0.1N	±0.5%	1000Hz
ZP-500	Digital	500N	0.1 N	±0.5%	1000Hz
ZP-1000	Digital	1000N	1N	±0.5%	1000Hz
ZP-2000	Digital	2000N	1N	±0.5%	1000Hz
ZP-3000	Digital	3000N	1N	±0.5%	1000Hz

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