

SONY

Digital Gauge

DT32 Series

Measuring Unit



Compact and slim gauges.

- Magnetic principle
- Excellent resistance to workshop Conditions
(DT32P/PV:IP64)
- Resistant to oil and dust
- Accuracy: $\pm 5\mu\text{m}$
- Resolution: $5\mu\text{m}$
- Measuring range: 32mm/1.26"
- Compact size ideal for designing into machines
12 x 35 x 218mm/0.47" x 1.38" x 8.58" (D x W x L)
- Pneumatic push type are also available
- Guaranteed number of strokes: 5million
- Main applications: Automatic sorting of parts



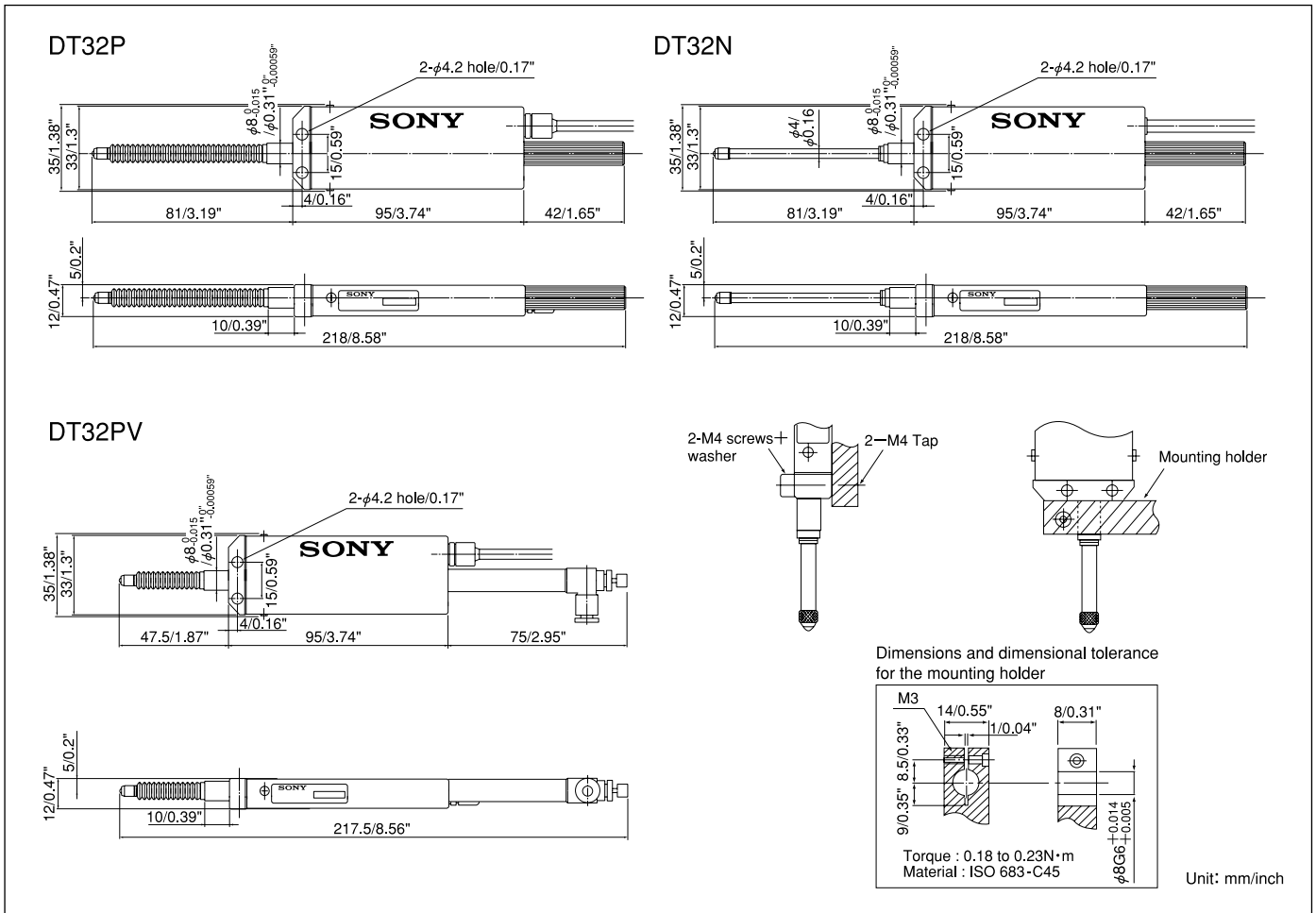
Sony Precision Technology Inc.

Specifications

Model	DT32N	DT32NV	DT32P	DT32PV
Spindle actuation	—	Pneumatic push type	—	Pneumatic push type
Measuring range	32mm/1.26"			
Resolution	5 μ m			
Measuring force (at 20°C/68°F)	Downward: 1.1 \pm 0.8N Lateral: 1.3 \pm 0.8N Upward: 1.5 \pm 0.8N	*1 Downward: 1.1 \pm 0.8N Lateral: 1.3 \pm 0.8N Upward: 1.5 \pm 0.8N	All directions: 2.9N or less	*2 All directions: 9N or less
Accuracy (at 20°C/68°F)	\pm 5 μ m			
Operating temperature	0°C to 50°C/32°F to 122°F			
Storage temperature	-10°C to 60°C/14°F to 140°F			
Cable length	2m/6.56'			
Mounting stem diameter	ϕ 8 $^{+0.015}_{-0.015}$ mm/ ϕ 0.31 $^{+0.00059}_{-0.00059}$ "			
Feeler	Feeler tipped with 3 mm/0.12" dia. steel ball with M2.5 \times 0.45 screw on fitting end			
Power consumption	0.08W			
Mass (excl.cable unit)	120g/4.23oz	140g/4.9oz	120g/4.23oz	140g/4.9oz
Protective design grade	Equivalent to IP64			
Guaranteed number of strokes	5 million			

*1 Measuring force with air pressure of 1.96 x 10⁵ Pa and speed control is open *2 Measuring force with air pressure of 2.35 x 10⁵ Pa and speed control is open

Dimensions



Option

[DT Series]

- Extension cable: CE08-01 (1m) -03 (3m) -05 (5m) -10 (10m) -15 (15m)
- Roller type feeler: DZ-100 ● Coupling: DZ-191

* Designs and appearances are subject to change without prior notice.

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These products are manufactured at our Isehara Plant that is certified to ISO9001 Quality Management System and ISO14001 Environmental Management System.



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