

DT

DT12_{N/P}, 32_{N/NV/P/PV}

Compact and slim gauges



- Excellent resistance to workshop conditions (DT12P, DT32P/PV : IP64)
- Resistant to oil, water, dust, vibration, and shock. ● Accuracy: $\pm 5 \mu\text{m}$
- Resolution : $5 \mu\text{m}$ ● Measuring range : 12mm/ 0.47", 32mm/1.26"
- Compact size ideal for designing into machines
DT12 : 12(D) x 35(W) x 116(H)mm/ 0.47" x 1.38" x 4.57"
DT32 : 12(D) x 35(W) x 218(H)mm/ 0.47" x 1.38" x 8.58"
- Pneumatic push type are also available ● Guaranteed number of strokes : 5million
- Main applications : Automatic sorting of parts

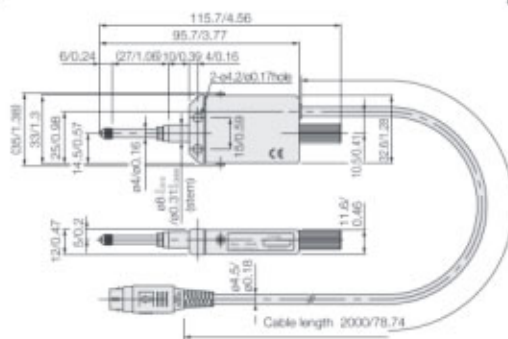
Gauge	Counter
DT12/32	LT10A
	IFT unit
	MG-DT



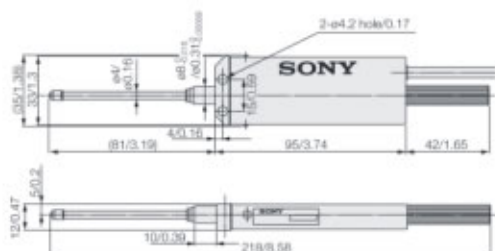
Digital Gauge

Dimensions

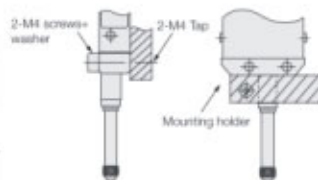
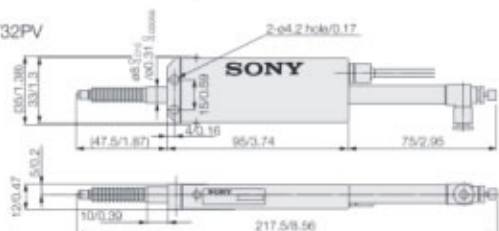
DT12N



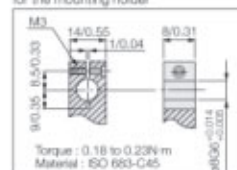
DT32N



DT32PV



Dimensions and dimensional tolerance for the mounting holder



Unit : mm/inch

Specifications

Model		DT12N	DT12P	DT32N	DT32NV	DT32P	DT32PV
Spindle actuation		—			Pneumatic push type	—	Pneumatic push type
Measuring range		12 mm/ 0.47"			32 mm/ 1.26"		
Resolution					5 μm		
Measuring range force	Upward	0.7 ± 0.5 N	All direction: 1.7 N or less	1.1 ± 0.8 N		All direction: 2.9 N or less	All direction: *2 9 N or less
	Lateral	1.3 ± 0.8 N					
	Downward	1.5 ± 0.8 N					
Accuracy (at 20°C / 68°F)		± 5 μm					
Operating temperature		0 °C to 50 °C / 32 °F to 122 °F (gauge)					
Storage temperature		-10 °C to 60 °C / 14 °F to 140 °F					
Cable length		2 m/ 6.56"					
Mounting stem diameter		ø 8 $\frac{0.015}{0.015}$ mm/ ø 0.31 $\frac{0.0006}{0.0006}$ inch					
Feeler		Feeler tipped with ø 3 mm/ ø 0.12" dia. Carbide ball with M2.5p x 0.45 screw on fitting end (DZ-123)					
Mass [†]		Approx. 75 g/ 2.65 oz	Approx. 80 g/ 2.82 oz	Approx. 120 g/ 4.23 oz	Approx. 140 g/ 4.94 oz	Approx. 120 g/ 4.23 oz	Approx. 140 g/ 4.94 oz
Protective design grade		—	Equivalent to IP64	—		Equivalent to IP64	
Guaranteed number of strokes		5 million					

*1 excl. cable unit and interpolator unit. *2 Measuring force with air pressure of $1.96 \times 10^5 \text{ Pa}$ and speed control is open. *3 Measuring force with air pressure of $2.35 \times 10^5 \text{ Pa}$ and speed control is open.