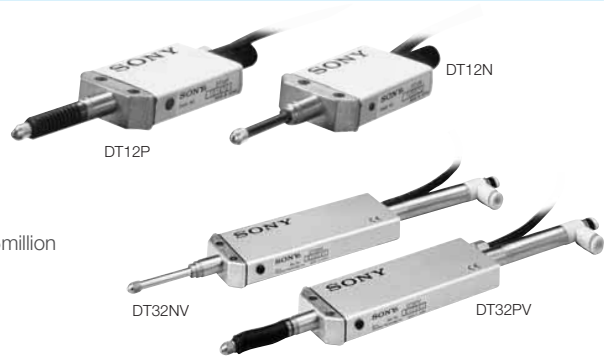


# DT

# DT12N/P, 32N/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: ± 5 μm
- Resolution : 5 μm ● 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

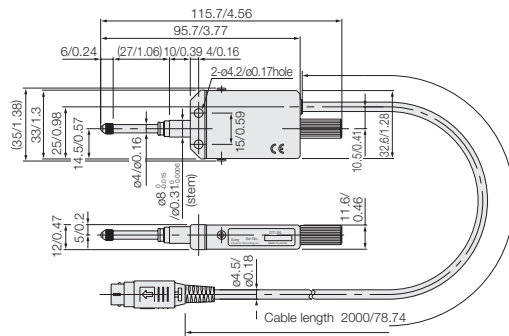


Gauge	Counter
DT12/32	LT10A
	I/F unit
	MG-DT

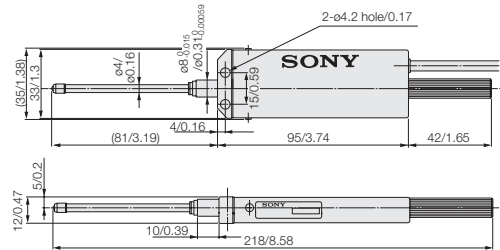
## Digital Gauge

### Dimensions

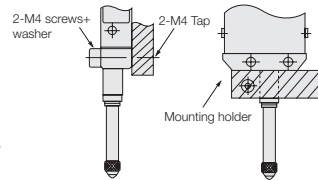
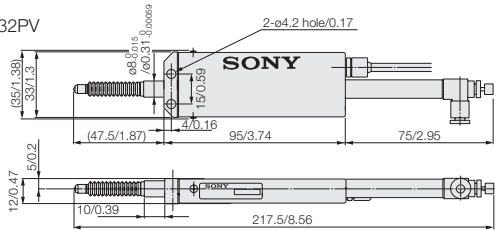
DT12N



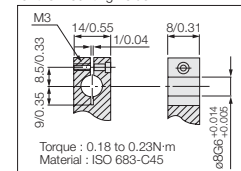
DT32N



DT32PV



Dimensions and dimensional tolerance for the mounting holder



Unit : mm/inch

Specifications		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	—	—	All direction: 2.9 N or less	All direction: *2 9 N or less		
	Lateral	0.8 ± 0.5 N						1.1 ± 0.8 N	1.3 ± 0.8 N
	Downward	0.9 ± 0.5 N						1.5 ± 0.8 N	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 8.5 <sup>+0.015</sup> mm / ø 0.31 <sup>+0.00059</sup> "							
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 <sup>*1</sup>		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		
Guaranteed number of strokes		5 million							

\*1 excl. cable unit and Interpolator unit. \*2 Measuring force with air pressure of 1.96 x 10<sup>5</sup> Pa and speed control is open. \*3 Measuring force with air pressure of 2.35 x 10<sup>5</sup> Pa and speed control is open.