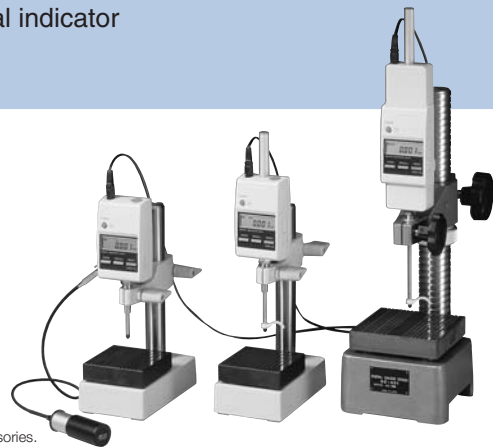


U

U Series

Easy to operate, high-accuracy digital indicator
available in a wide measuring range.

- High accuracy: 2 μ m (U12B/ 30B)
3 μ m (U60B)
- High resolution: 1 μ m
- Measuring range: 0 to 60 mm / 0 to 2.36"
- Connectable to a personal computer through RS-232C interface.
- Peak hold for measuring max./ min./ peak-to-peak values
- The spindle contains a damper mechanism to protect measured objects from damage (U30B/ U60B).
- Inch/ metric display

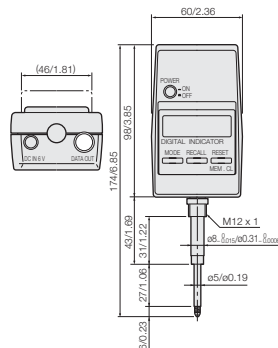


*The air release and the gauging stand are optional accessories.
*Set bushing DZ-81 1 is required to use U60B with gauging stand DZ-501.

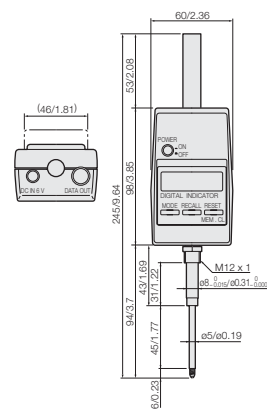
Digital Indicators

Dimensions

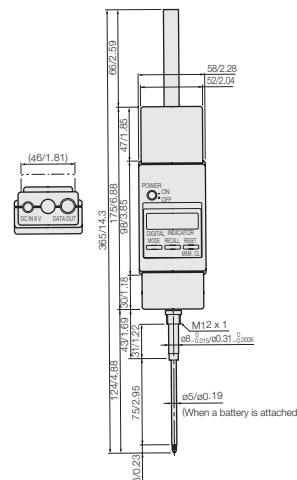
U12B



U30B



U60B



Unit : mm/inch

Specifications

Model	U12B	U30B	U60B
Display	6-digit LCD display, mode indication (leading zero suppress, floating minus sign)		
Measuring range	12 mm / 0.47"	30 mm / 1.18"	60 mm / 2.36"
Resolution	1 μ m		
Accuracy (at 20 °C / 68 °F)	2 μ m		
Reset	By key operation		
Direction	Selectable		
Peak hold function	Max./ min./ peak-to-peak values		
Measuring force	1.3 N or less	1.5 N or less	2.2 N or less
Travel length of the release*1	Full stroke	Full stroke	32mm
Maximum response speed	24 m / min		
Output signal	RS-232C (2400 bps)		
Mounting stem diameter	ϕ 8 _{+0.015} ⁰ mm / ϕ 0.31 _{+0.0006} ⁰ "		
Operating temperature/humidity	0 °C to 40 °C / 32 °F to 104 °F (non condensing)		
Storage temperature/humidity	-10 °C to 50 °C / 14 °F to 122 °F (non condensing)		
Power supply	AC adaptor: AC 100V 50/60Hz		
Feeler	Feeler tipped with 3 mm dia. carbide ball with M2.5p x 0.45 screw on fitting end (DZ123)		
Supplied accessories	lift lever wrench		
Mass	Approx.190 g / 6.7 oz	Approx.230 g / 8.11 oz	Approx.300 g / 10.58 oz

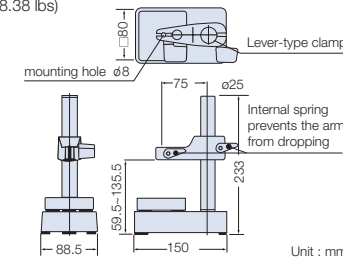
*1 When air release DZ-173 (optional accessory) is activated

Accessories (for U series)

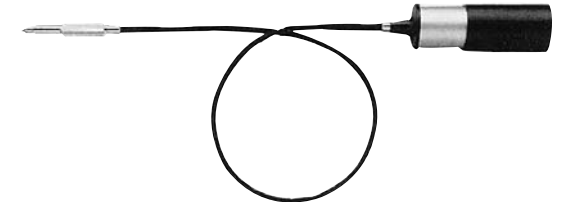
DZ521 Gauging stand (for DG805BL/810B/810BL, U Series, DE12BR)



- Surface plate material: alumina ceramic (dark brown)
- Surface plate flatness: 2 μ m
- Surface plate size: 80 mm (3.15") x 80 mm (3.15")
- Maximum workpiece height: approx. 105 mm (4.13")
- Gauge mounting hole: ϕ 8 mm (0.31")
- Mass: 3.8 kg (8.38 lbs)



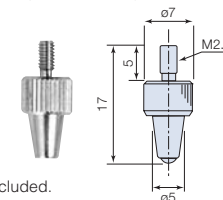
DZ173 Air release (for DE12BR/30BR, U Series)



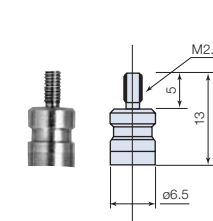
DZ-5100 Feeler set



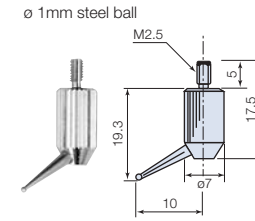
- Plastic ball contact point: ϕ 3mm nylon ball



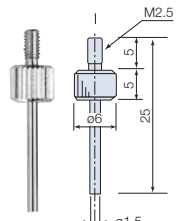
- Flat carbide contact point



- Off-center contact point: ϕ 1mm steel ball



- Pin contact point



Unit : mm

Note: The four contactors shown at right are included.

Other accessories

- Cable connectors for computer connection (for U Series/ LT Series/ LY Series) DZ252 (round 8 pin $\leftrightarrow$ D sub 9 pin) (2 m) DZ253A (round 8 pin $\leftrightarrow$ D sub 25 pin) (2 m) DZ254 (round 8 pin $\leftrightarrow$ unterminated end)
- Extension cable (for DZ252N/P, DZ253N/P, DZ254N/P) : CE08-1(1m), CE08-3(3m), CE08-5(5m), CE08-10(10m), CE08-15(15m)

*Please refer to p54 for the details of the screw.