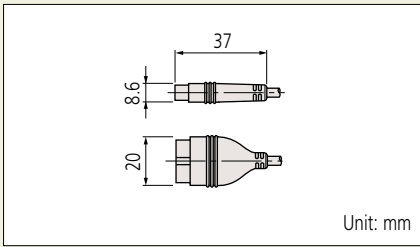


Connector



Optional Accessories

- Rubber boot: **238774** (spare)
- Air lifter (metric): **903594**
- Air lifter (inch): **903598**
- SPC cable extension adapter: **02ADF640**
- Extension cable for Digimatic gages (0.5 m): **02ADD950**
- Extension cable for Digimatic gages (1 m): **936937**
- Extension cable for Digimatic gages (2 m): **965014**

Note: When connecting an extension cable, an SPC cable extension adapter is required.

LGS-1012P  
SERIES 575 — Digimatic output Type

- ABSOLUTE electrostatic capacitance type encoder makes it possible to maintain the reference point even when the power is switched off.
- Excellent protection against dust and splashing water (IP66) on the factory floor.



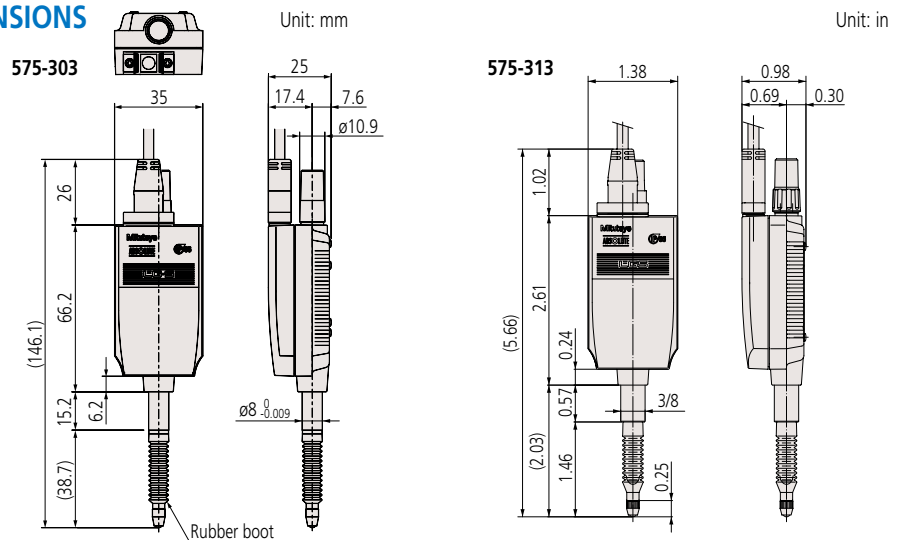
575-303

SPECIFICATIONS

Metric		
Order No.	575-303	
Measuring range	12.7 mm	
Resolution	10 μm	
Measuring accuracy (20 °C)	15 μm	
Measuring force	Contact point downwards	2 N or less
	Contact point horizontal	1.8 N or less
	Contact point upwards	1.6 N or less
Position detection method	ABSOLUTE electrostatic capacitance type linear encoder	
Response speed	Unlimited (not applicable to scanning measurement)	
Output	Digimatic code	
Mass	Approx. 190 g	
Contact point	ø3 mm carbide tipped (fixing screw: M2.5 (P=0.45) x5), standard contact point: <b>901312</b>	
Stem	ø8 mm	
Bearing	Plain type	
Output cable length	2 m (directly extended from the main unit)	
Operating temperature (humidity) ranges	0 to 40 °C (RH 20 to 80%, non-condensing)	
Storage temperature (humidity) ranges	-10 to 60 °C (RH 20 to 80%, non-condensing)	

Inch		
Order No.	575-313	
Measuring range	0.5 in	
Resolution	0.0005 in	
Measuring accuracy (20 °C)	0.0008 in	
Measuring force	Contact point downwards	2 N or less
	Contact point horizontal	1.8 N or less
	Contact point upwards	1.6 N or less
Position detection method	ABSOLUTE electrostatic capacitance type linear encoder	
Response speed	Unlimited (not applicable to scanning measurement)	
Output	Digimatic code	
Mass	Approx. 190 g	
Contact point	ø3 mm carbide tipped (fixing screw: 4-48 UNF), standard contact point: <b>21BZB005</b>	
Stem	ø9.52=3/8 in DIA	
Bearing	Plain type	
Output cable length	2 m (directly extended from the main unit)	
Operating temperature (humidity) ranges	0 to 40 °C (RH 20 to 80%, non-condensing)	
Storage temperature (humidity) ranges	-10 to 60 °C (RH 20 to 80%, non-condensing)	

DIMENSIONS



Refer to the Linear Gage Brochure (E13007) for more details.