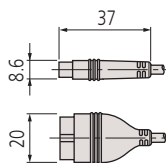


Connector



Unit: mm

Optional Accessories

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

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

LGS-1012P SERIES 575 — 0.01 mm Resolution 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



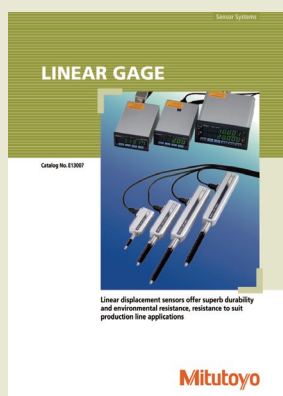
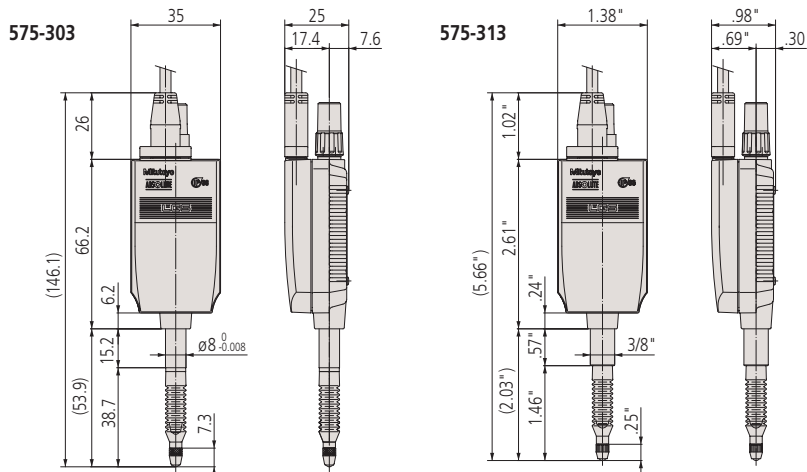
SPECIFICATIONS

Metric		575-303
Order No.		575-303
Measuring range		12.7 mm
Resolution		10 µm
Measuring accuracy (20 °C)		15 µm
Quantizing error		±1 count
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)×5), standard contact point: 901312
Stem		ø8 mm
Bearing type		Slide bearing
Output cable length		2 m (directly extended from the main unit)
Operating temperature (humidity) range		0 to 40 °C (RH 20 to 80 %, non-condensing)
Storage temperature(humidity) range		-10 to 60 °C (RH 20 to 80 %, non-condensing)

Inch		575-313
Order No.		575-313
Measuring range		0.5 in
Resolution		0.0005 in
Measuring accuracy (20 °C)		0.0008 in
Quantizing error		±1 count
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: 21BZB005
Stem		ø9.52=3/8 in DIA
Bearing type		Slide bearing
Output cable length		2 m (directly extended from the main unit)
Operating temperature (humidity) range		0 to 40 °C (RH 20 to 80 %, non-condensing)
Storage temperature(humidity) range		-10 to 60 °C (RH 20 to 80 %, non-condensing)

DIMENSIONS

Unit: inch



Refer to the Linear Gage Catalog (No. E13007) for more details.