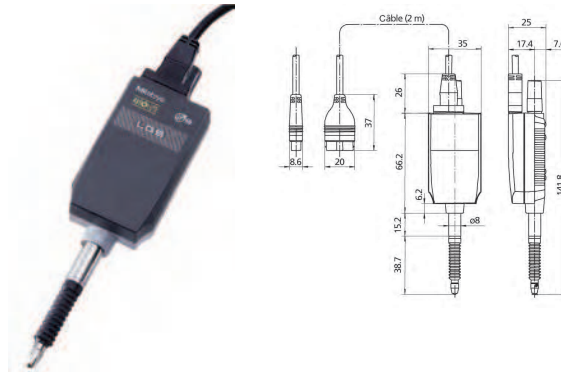


# ABSOLUTE Digimatic Linear Gage LGS



## Series 575

- Compact length measuring instrument with built-in ABSOLUTE capacitive measuring system.
- Suitable for installation in machines, measuring devices and multi-position measurements. IP-66 protection class.
- Zero-setting via external display unit (**542-007**) possible.
- Data output in Digimatic format; this enables documentation and determination of measurement values as well as statistical evaluation via connected Digimatic data processing units.



575-303

### Metric

No.	Range	Accuracy (20°C)	Measuring force *1	Stem diameter	Direction of counting
575-303	0-12,7 mm	0,015 mm	2.0 N/1.8 N/1.6 N	8 mm	positive
575-304*	0-12,7 mm	0,015 mm	2.0 N/1.8 N/1.6 N	8 mm	negative

\*1 Spindle DOWN/Horizontal/Spindle UP

### Inch

Ansi/AGD

No.	Range	Accuracy (20°C)	Measuring force *1	Stem diameter
575-313*	0-0.5"	0.0008"	2.0 N/1.8 N/1.6 N	3/8"

\*1 Spindle DOWN/Horizontal/Spindle UP

## Air drive Unit

- Provides smooth lifting and lowering of the contact point of a gauge by pneumatic cylinder.
- The speed of lift can be regulated by the throttle on the remote cylinder.
- Enables automatic measurement by using a single solenoid valve.

No.	Range	Suitable for gage model	Air supply MPa	Mass g
903594	10 mm	LGS	0.49	60
903598*	0.4"	LGS	0.49	60

### Specifications

Digital step	0,01 mm or 0.0005"
Scale type	Capacitance-type ABSOLUTE linear encoder
Max. response speed (mm/s)	1600 mm/s; (measuring by scanning not possible)
Contact point	Ø3 mm carbide
Bearing type	Slide bearing
Output signal	Digimatic output
Power supply	5 to 10 V, 5 mA max.
Cable length	2 m
Mass	190 g (included cable)
Environmental conditions	0 °C to 40 °C (20 % to 80 % rel. humidity, no condensation)

### Optional accessories

No.	Description
02ADF640	SPC cable extension adapter
936937	Data cable (1 m)
965014	Data cable (2 m)

### Consumable spares

No.	Description
901312	Standard contact point
238774	Silicon rubber boot

### Optional accessories for Inch

No.	Description
21BZB005	Standard contact point



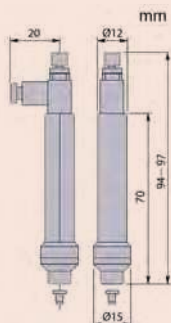
02ADF640



Refer to the Linear Gauge documentation for more details

### Specifications

Throttle	Interior Ø 2,5 mm Exterior Ø 3,2 mm
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903594