

ABSOLUTE Digimatic Linear Gage LGD

Series 575

- The LGD is a compact ABS Linear Gage with patented ABSOLUTE Digimatic data output and IP-66 protection class.
- Optional mounting accessories facilitate setup of the LGD using holes in a plate or fixture.



Specifications

Digital step	0,01 mm or 0.0005"
Scale type	Capacitance-type ABSOLUTE linear encoder
Max. response speed (mm/s)	Unlimited; measurement by scanning cannot be performed
Contact point	Ø3 mm carbide
Bearing type	Linear ball bearing
Output signal	Digimatic
External input	Origin-setting signal
Environmental conditions	0 °C to 40 °C (20 % to 80 % rel. humidity, no condensation)



575-326

Metric

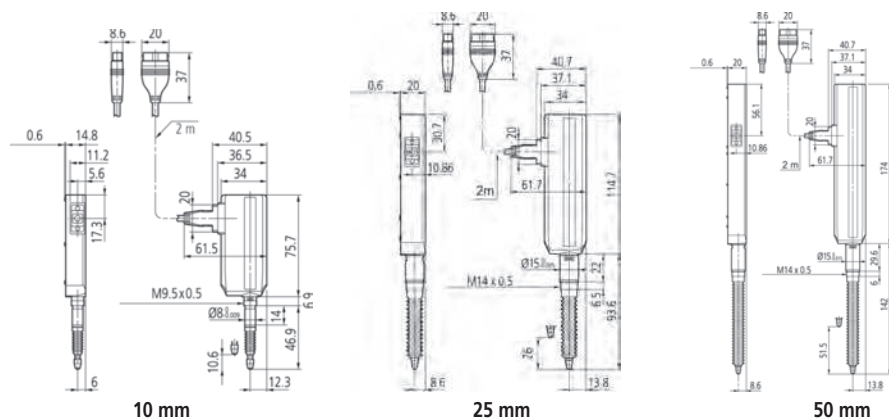
No.	Range	Accuracy (20°C)	Measuring force *1	Stem diameter	Cable length	Mass (g)
575-326	0-10 mm	20 µm	1.2 N/1.1 N/1.0 N	8 mm	2 m	260
575-326-3*	0-10 mm	20 µm	1.2 N/1.1 N/1.0 N	8 mm	3 m	310
575-326-5*	0-10 mm	20 µm	1.2 N/1.1 N/1.0 N	8 mm	5 m	360
575-326-7*	0-10 mm	20 µm	1.2 N/1.1 N/1.0 N	8 mm	7 m	410
575-327	0-25 mm	20 µm	4.6 N/4.3 N/4.0 N	15 mm	2 m	300
575-327-3*	0-25 mm	20 µm	4.6 N/4.3 N/4.0 N	15 mm	3 m	350
575-327-5*	0-25 mm	20 µm	4.6 N/4.3 N/4.0 N	15 mm	5 m	400
575-327-7*	0-25 mm	20 µm	4.6 N/4.3 N/4.0 N	15 mm	7 m	450
575-328	0-50 mm	30 µm	5.7 N/5.3 N/4.9 N	15 mm	2 m	400
575-328-3*	0-50 mm	30 µm	5.7 N/5.3 N/4.9 N	15 mm	3 m	450
575-328-5*	0-50 mm	30 µm	5.7 N/5.3 N/4.9 N	15 mm	5 m	500
575-328-7*	0-50 mm	30 µm	5.7 N/5.3 N/4.9 N	15 mm	7 m	550

*1 Spindle DOWN/Horizontal/Spindle UP

Inch

No.	Range	Accuracy (20°C)	Measuring force *1	Stem diameter	Cable length	Mass (g)
575-336*	0-0.4"	0.001"	1.2 N/1.1 N/1.0 N	8 mm	2 m	260
575-336-3*	0-0.4"	0.001"	1.2 N/1.1 N/1.0 N	8 mm	3 m	310
575-336-5*	0-0.4"	0.001"	1.2 N/1.1 N/1.0 N	8 mm	5 m	360
575-336-7*	0-0.4"	0.001"	1.2 N/1.1 N/1.0 N	8 mm	7 m	410
575-337*	0-1"	0.001"	4.6 N/4.3 N/4.0 N	15 mm	2 m	300
575-337-3*	0-1"	0.001"	4.6 N/4.3 N/4.0 N	15 mm	3 m	350
575-337-5*	0-1"	0.001"	4.6 N/4.3 N/4.0 N	15 mm	5 m	400
575-337-7*	0-1"	0.001"	4.6 N/4.3 N/4.0 N	15 mm	7 m	450
575-338*	0-2"	0.0012"	5.7 N/5.3 N/4.9 N	15 mm	2 m	400
575-338-3*	0-2"	0.0012"	5.7 N/5.3 N/4.9 N	15 mm	3 m	450
575-338-5*	0-2"	0.0012"	5.7 N/5.3 N/4.9 N	15 mm	5 m	500
575-338-7*	0-2"	0.0012"	5.7 N/5.3 N/4.9 N	15 mm	7 m	550

*1 Spindle DOWN/Horizontal/Spindle UP



Standard accessories

No.	Description
538610	Wrench for contact point (for 10 mm range models)
04GAA857	Wrench for contact point (for 25/50 mm range models)

Optional accessories

No.	Description
Data cable	
02ADF640	SPC cable extension adapter
936937	Data cable (1 m)
965014	Data cable (2 m)
Fixing set	
02ADB680	Fixing set Ø 9,5 mm (for 10 mm models)
02ADN370	Fixing set Ø 18 mm (for 25 mm/50 mm models)
Pneumatic drive	
02ADE230	Pneumatic drive CAP 10 mm
02ADE250	Pneumatic drive CAP 25 mm
02ADE270	Pneumatic drive CAP 50 mm
Thrust stem	
02ADB683	Thrust stem wrench (for 10 mm range models)
02ADB693	Thrust stem wrench (for 25/50 mm range models)

Consumable spares

No.	Description
901312	Standard contact point
Rubber boots	
238772	10 mm rubber boot
962504	25 mm rubber boot
962505	50 mm rubber boot



02ADF640



Refer to the Linear Gage brochure