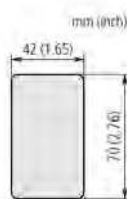


Linear Scale AT181 Plunger Type (Highly waterproof design)

Series 539 - Range 100-600mm



Standard accuracy

No.	Effective range	L ¹ mm	L ² mm	L ³ mm	Cable length	Mass kg
539-301*	100 mm/4"	130	255	270	3 m	1.7
539-302*	150 mm/6"	180	305	320	3 m	1.9
539-303*	200 mm/8"	230	355	370	3 m	2.1
539-304*	250 mm/10"	280	405	420	3 m	2.3
539-305*	300 mm/12"	330	455	470	3 m	2.5
539-306*	350 mm/14"	380	505	520	3 m	2.7
539-307*	400 mm/16"	430	555	570	3 m	2.9
539-308*	450 mm/18"	480	605	620	3 m	3.1
539-309*	500 mm/20"	530	655	670	3 m	3.3
539-310*	550 mm/22"	580	705	720	3 m	3.5
539-311*	600 mm/24"	630	755	770	3 m	3.7

High accuracy

No.	Effective range	L ¹ mm	L ² mm	L ³ mm	Cable length	Mass kg
539-301-10*	100 mm/4"	130	255	270	3 m	1.7
539-302-10*	150 mm/6"	180	305	320	3 m	1.9
539-303-10*	200 mm/8"	230	355	370	3 m	2.1
539-304-10*	250 mm/10"	280	405	420	3 m	2.3
539-305-10*	300 mm/12"	330	455	470	3 m	2.5
539-306-10*	350 mm/14"	380	505	520	3 m	2.7
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539-311-10*	600 mm/24"	630	755	770	3 m	3.7

Specifications

Effective range (L0)	100 - 600 mm
Accuracy at 20°C	Standard type (5+5L/1000) μm High-accuracy type (3+3L/1000) μm L = Effective range (mm)
Output waveform	Two 90° phase-shifted sinusoidal signals
Max. drive speed	50 m/min
Signal period	20 μm
Scale reference points	every 50 mm
Operating temperature	0°C to 45°C
Dust/Water protection level	IP54 (with normal installation)

Optional accessories

No.	Description
09AAA033A	Extension cable (2 m)
09AAA033B	Extension cable (5 m)
09AAA033C	Extension cable (7 m)
174-173D	KA-Counter 2 Axis
174-173E	KA-Counter 2 axis UK only
174-175D	KA-Counter 3 axes
174-175E	KA-Counter 3 axes UK only
174-147D	KLD200 Counter 4-step limit signal output
174-147E	KLD200 Counter 4-step limit signal output UK only



Refer to the DRO System leaflet for more details.