

Linear Scale AT112

High accuracy type

Series 539 - Range 50-1020mm

- Extra-slim construction



Specifications

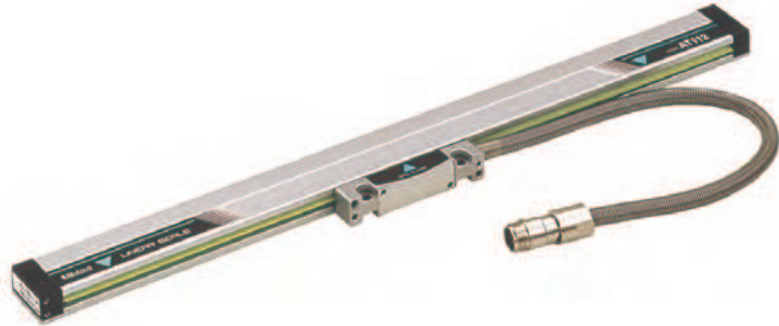
Effective range (L0)	50 - 1020 mm
Accuracy at 20°C	(3+3L/1000) µm L = Effective range (mm)
Output waveform	Two 90° phase-shifted sinusoidal signals
Max. drive speed	72 m/min
Signal period	20 µm
Scale reference points	every 50 mm
Operating temperature	0°C to 45°C
Dust/Water protection level	IP53 (with normal installation)
Delivered	Mounting set for type AT112

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 KLD200 Counter 4-step limit signal output UK only

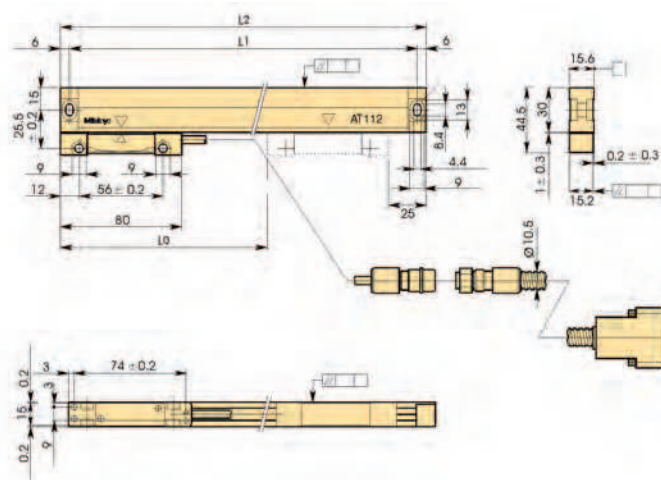


Refer to the DRO System leaflet for more details.



High accuracy

No.	Effective range	L ¹ mm	L ² mm	Cable length	Mass kg
539-251-10	50 mm/1.5"	143	155	3 m	0.72
539-252-10*	70 mm/2.5"	163	175	3 m	0.74
539-253-10	120 mm/4.5"	213	225	3 m	0.8
539-254-10	170 mm/6.5"	263	275	3 m	0.85
539-255-10	220 mm/8.5"	313	325	3 m	0.9
539-256-10	270 mm/10.5"	363	375	3 m	0.95
539-257-10	320 mm/12.5"	413	425	3 m	1
539-258-10	370 mm/14.5"	463	475	3 m	1.05
539-259-10*	420 mm/16.5"	513	525	3 m	1.1
539-260-10*	470 mm/18.5"	563	575	3 m	1.15
539-261-10	520 mm/20"	613	625	3 m	1.2
539-262-10*	570 mm/22"	663	675	3 m	1.25
539-263-10*	620 mm/24"	713	725	3 m	1.3
539-264-10*	670 mm/26"	763	775	3 m	1.35
539-265-10*	720 mm/28"	813	825	3 m	1.4
539-266-10*	770 mm/30"	863	875	3 m	1.45
539-267-10	820 mm/32"	913	925	3 m	1.5
539-268-10	920 mm/36"	1013	1025	3 m	1.56
539-269-10*	1020 mm/40"	1113	1125	3 m	1.62



Legend

- L0 Effective range
- L1 Mount interval
- L2 Overall length