

Linear Scale AT103

Standard type

Series 539 - Range 3250-6000mm

FEATURES

- Enhanced vibration resistance and durability.
- The innovative rubber lips keep out contaminants when used in a machine shop.
- An armoured signal cable is used to connect the scale unit to the DRO counter for safe operation in harsh environments.
- The signal cable outlet can be positioned on either side of the slider so the signal cable can be connected from either direction.



539-133

No.	Effective range	L ¹ mm	L ³ mm	L ⁴ mm	L ⁵ mm	L ⁶ mm	Cable length	Mass kg
539-143-30	3250 mm/130"	3350	3470	135	3200	800	10 m	10.8
539-144-30	3500 mm/140"	3600	3720	160	3400	850	10 m	11.4
539-145-30	3750 mm/150"	3850	3970	125	3720	930	10 m	12
539-146-30	4000 mm/160"	4100	4220	110	4000	1000	10 m	12.6
539-147-30	4250 mm/170"	4350	4470	135	4200	1050	10 m	13.2
539-148-30	4500 mm/180"	4600	4720	160	4400	1100	10 m	13.8
539-149-30	4750 mm/190"	4850	4970	85	4800	800	15 m	15.2
539-150-30*	5000 mm/200"	5100	5220	120	4980	830	15 m	15.8
539-151-30*	5250 mm/210"	5350	5470	125	5220	870	15 m	16.4
539-152-30	5500 mm/220"	5600	5720	130	5460	910	15 m	17
539-153-30*	5750 mm/230"	5850	5970	135	5700	950	15 m	17.6
539-154-30*	6000 mm/240"	6100	6220	110	6000	1000	15 m	18.2

Specifications

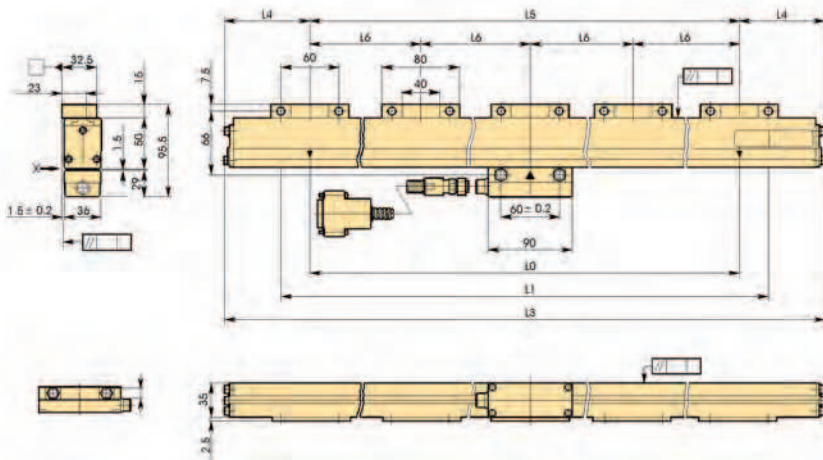
Effective range (L0)	3250 - 6000 mm
Accuracy at 20°C	(5+8L/1000) μm L = Effective range (mm)
Output waveform	Two 90° phased-shifted sinusoidal signals
Max. drive speed	50 m/min.
Signal period	20 μm
Scale reference points	every 50 mm
Operating temperature	0°C to 45°C
Dust/Water protection level	IP53 (with 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 KLD200 Counter 4-step limit signal output UK only



Extension cable



Legend

- L0 Effective range
- L1 Travel range
- L2 Bore centre distance
- L3 Total length
- L4-L6 Support bracket position



Please refer to the DRO leaflet for more details.