

# Linear Scale AT116

Series 539 - Economical Slim-spar type - Range 100-1500mm

- Suitable for milling machines, XY tables, jigs, etc.



539-271-30

No.	L <sup>1</sup> mm	L <sup>2</sup> mm	L <sup>3</sup> mm	L <sup>4</sup> mm	L <sup>5</sup> mm	L <sup>6</sup> mm	L <sup>7</sup> mm	Cable length	Mass g
539-271-30	120	258	242	276				3,5 m	550
539-272-30	170	308	292		326			3,5 m	600
539-273-30	220	358	342	376				3,5 m	700
539-274-30	270	408	392	426				3,5 m	800
539-275-30	330	468	452	486				3,5 m	900
539-276-30	380	518	502	536				3,5 m	1000
539-277-30	430	568	552	586				3,5 m	1050
539-278-30	480	618	602	636				3,5 m	1150
539-279-30	540	678	662	696	339	331		3,5 m	1250
539-281-30	640	778	762	796	389	381		3,5 m	1450
539-283-30	740	878	862	896	439	431		3,5 m	1600
539-284-30	780	918	902	936	459	451		3,5 m	1700
539-285-30	840	978	962	996	489	481		3,5 m	1800
539-286-30	940	1078	1062	1096	539	531		3,5 m	1950
539-287-30	1040	1178	1162	1196	589	581		5 m	2350
539-288-30	1140	1278	1262	1296			430	5 m	2500
539-289-30	1240	1378	1362	1396			460	5 m	2700
539-290-30	1340	1478	1462	1496			490	5 m	2850
539-291-30	1440	1578	1562	1596			530	5 m	3050
539-292-30	1540	1678	1662	1696			560	5 m	3250

## Specifications

Effective range (L0)	100 - 1500 mm
Accuracy at 20°C	(5+5L/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	IP53 (with normal installation)

## Optional accessories

No.	Description
09AAA720A	Extension cable (2 m)
09AAA720B	Extension cable (5 m)
09AAA720C	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-L3 Mount interval
- L4 Overall length
- L5-L7 Support bracket position



Refer to the DRO System leaflet for more details.

