

# ABSOLUTE Linear Scale AT715

## Series 539 - Range 100-3000mm

- Based on the ABSOLUTE electromagnetic induction principle, thus offering increased environmental protection to IP67 level.
- Detects and displays the absolute position, which saves the user the task of having to enter the reference point setting after each power on.

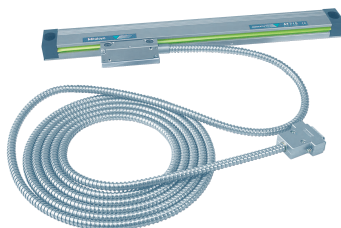


### Specifications

Effective range (L0)	100 - 3000 mm
Accuracy at 20°C	100 to 500 mm ±5 µm 600 to 1800 mm ±7 µm 2000 to 3000 mm ±10 µm
Max. drive speed	50 m/min
Signal period	1 µm
Measurement method	Electromagnetic induction system (RS485)
Operating temperature	0°C to 45°C

### Optional accessories

No.	Description
09AAB674A	Extension cable (2 m)
09AAB674B	Extension cable (5 m)
09AAB674C	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



No.	Effective range	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	L <sup>8</sup> mm	Cable length
539-801	100 mm/4"	120	258	242	278					3,5 m
539-802	150 mm/6"	170	308	292	328					3,5 m
539-803	200 mm/8"	220	358	342	378					3,5 m
539-804	250 mm/10"	270	408	392	428					3,5 m
539-805	300 mm/12"	330	468	452	488					3,5 m
539-806	350 mm/14"	380	518	502	538					3,5 m
539-807	400 mm/16"	430	568	552	588					3,5 m
539-808	450 mm/18"	480	618	602	638					3,5 m
539-809	500 mm/20"	540	678	662	698	339	331			3,5 m
539-811	600 mm/24"	640	778	762	798	389	381			3,5 m
539-813	700 mm/28"	740	878	862	898	439	431			3,5 m
539-814	750 mm/30"	780	918	902	938	459	451			3,5 m
539-815	800 mm/32"	840	978	962	998	489	481			3,5 m
539-816	900 mm/36"	940	1078	1062	1098	539	531			3,5 m
539-817	1000 mm/40"	1040	1178	1162	1198	589	581			5 m
539-818	1100 mm/44"	1140	1278	1262	1298	424	416	430		5 m
539-819	1200 mm/48"	1240	1378	1362	1398	459	451	460		5 m
539-820	1300 mm/52"	1340	1478	1462	1498	494	486	490		5 m
539-821	1400 mm/56"	1440	1578	1562	1598	524	516	530		5 m
539-822	1500 mm/60"	1540	1678	1662	1698	559	551	560		5 m
539-823	1600 mm/64"	1640	1778	1762	1798	459	451	430	215	5 m
539-824	1700 mm/68"	1740	1878	1862	1898	479	471	460	230	5 m
539-825	1800 mm/72"	1840	1978	1962	1998	459	451	530	280	5 m
539-860	2000 mm/80"	2040	2178	2162		539	531	550		7 m
539-861	2200 mm/88"	2240	2378	2362		469	461	480		7 m
539-862	2400 mm/96"	2440	2578	2562		509	501	520		7 m
539-863	2500 mm/100"	2540	2678	2662		529	521	540		7 m
539-864	2600 mm/104"	2640	2778	2762		549	541	560		7 m
539-865	2800 mm/112"	2840	2978	2962		489	481	500		7 m
539-866	3000 mm/120"	3040	3178	3162		529	521	530		7 m

Legend  
 L0 Effective range  
 L1 Travel range  
 L2-L4 Mounting hole pitch  
 L5-L8 Middle support positions



Refer to the DRO System leaflet for more details.

