

Linear Scales

Designed to capture positional coordinates from slides on machine tools and precision instruments including semiconductor production equipment

Linear Scales ABS AT715 SERIES 539 — Slim Type



SPECIFICATIONS

Model	ABS AT715	
Detection method	Electromagnetic induction	
Minimum resolution	0.001mm to 0.01mm (Changeable by parameter on the KA-200/KLD-200 counter)	
Effective range	100 to 3000mm	
Accuracy (20°C)	±5μm (Lo: 100 to 500mm), ±7μm (Lo: 600 to 1800mm), ±10μm (Lo: 2000 to 3000mm) Lo: Effective range (mm)	
Maximum response speed	50m/min	
Protection level	IP67	
Sliding force	5N or less	
Signal cable	Standard Accessories Refer to the dimension table shown below for the length.	
Extension cable (optional)	Length	Order No.
	2m	09AAB674A
	5m	09AAB674B
	7m	09AAB674C
Connectable counter	KA-200 Counter / KLD-200 Counter	

AT715		Effective range Lo (mm)	Signal cable length (m)
Order No.	Model		
539-801	ABS AT715-100	100 (4")	3.5
539-802	ABS AT715-150	150 (6")	
539-803	ABS AT715-200	200 (8")	
539-804	ABS AT715-250	250 (10")	
539-805	ABS AT715-300	300 (12")	
539-806	ABS AT715-350	350 (14")	
539-807	ABS AT715-400	400 (16")	
539-808	ABS AT715-450	450 (18")	
539-809	ABS AT715-500	500 (20")	
539-811	ABS AT715-600	600 (24")	
539-813	ABS AT715-700	700 (28")	5
539-814	ABS AT715-750	750 (30")	
539-815	ABS AT715-800	800 (32")	
539-816	ABS AT715-900	900 (36")	
539-817	ABS AT715-1000	1000 (40")	
539-818	ABS AT715-1100	1100 (44")	
539-819	ABS AT715-1200	1200 (48")	
539-820	ABS AT715-1300	1300 (52")	
539-821	ABS AT715-1400	1400 (56")	
539-822	ABS AT715-1500	1500 (60")	
539-823	ABS AT715-1600	1600 (64")	7*1
539-824	ABS AT715-1700	1700 (68")	
539-825	ABS AT715-1800	1800 (72")	
539-860	ABS AT715-2000	2000 (80")	
539-861	ABS AT715-2200	2200 (88")	
539-862	ABS AT715-2400	2400 (96")	
539-863	ABS AT715-2500	2500 (100")	
539-864	ABS AT715-2600	2600 (104")	
539-865	ABS AT715-2800	2800 (112")	
539-866	ABS AT715-3000	3000 (120")	

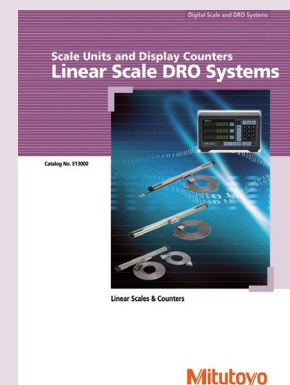
*1: Combination of a 5m signal cable and a 2m extension cable

ABSOLUTE™ (Refer to page X for details.)



An inspection certificate is supplied as standard.
Refer to page X for details.

- Electromagnetic induction principle means scales are unaffected by contamination
- Absolute scales have eliminated the need for origin restoration, also drastically reduces power consumption.



Refer to the Linear Scale DRO Systems
(Catalog No. E13000) for more details.