

Linear Scales

Linear Scales ABS AT715 SERIES 539 — Slim Type



SPECIFICATIONS

Model	ABS AT715	
Detection method	Electromagnetic induction	
Minimum resolution	0.001 mm to 0.01 mm (Changeable by parameter on the KA-200 counter)	
Effective range	100 to 3000 mm	
Accuracy (20 °C)	±5 μm (L ₀ : 100 to 500 mm), ±7 μm (L ₀ : 600 to 1800 mm), ±10 μm (L ₀ : 2000 to 3000 mm) L ₀ =Effective range (mm)	
Maximum response speed	50 m/min	
Protection level	IP67	
Sliding force	5 N or less	
Signal cable	Standard Accessories Refer to the dimension table shown below for the length.	
Extension cable (optional)	Length	Order No.
	2 m	09AAB674A
	5 m	09AAB674B
7 m	09AAB674C	
Connectable counter	KA-200 Counter	

AT715		Effective range L ₀ (mm)	Signal cable length (m)	
Order No.	Model			
539-801R	ABS AT715-100	100 (4 in)	3.5	
539-802R	ABS AT715-150	150 (6 in)		
539-803R	ABS AT715-200	200 (8 in)		
539-804R	ABS AT715-250	250 (10 in)		
539-805R	ABS AT715-300	300 (12 in)		
539-806R	ABS AT715-350	350 (14 in)		
539-807R	ABS AT715-400	400 (16 in)		
539-808R	ABS AT715-450	450 (18 in)		
539-809R	ABS AT715-500	500 (20 in)		
539-811R	ABS AT715-600	600 (24 in)		
539-813R	ABS AT715-700	700 (28 in)		
539-814R	ABS AT715-750	750 (30 in)		
539-815R	ABS AT715-800	800 (32 in)		
539-816R	ABS AT715-900	900 (36 in)		
539-817R	ABS AT715-1000	1000 (40 in)		5
539-818R	ABS AT715-1100	1100 (44 in)		
539-819R	ABS AT715-1200	1200 (48 in)		
539-820R	ABS AT715-1300	1300 (52 in)		
539-821R	ABS AT715-1400	1400 (56 in)		
539-822R	ABS AT715-1500	1500 (60 in)		
539-823R	ABS AT715-1600	1600 (64 in)		
539-824R	ABS AT715-1700	1700 (68 in)		
539-825R	ABS AT715-1800	1800 (72 in)		
539-860R	ABS AT715-2000	2000 (80 in)	7*	
539-861R	ABS AT715-2200	2200 (88 in)		
539-862R	ABS AT715-2400	2400 (96 in)		
539-863R	ABS AT715-2500	2500 (100 in)		
539-864R	ABS AT715-2600	2600 (104 in)		
539-865R	ABS AT715-2800	2800 (112 in)		
539-866R	ABS AT715-3000	3000 (120 in)		

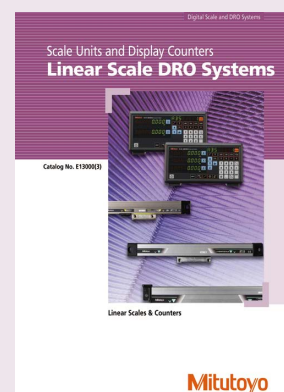
* Combination of a 5 m signal cable and a 2 m extension cable

ABSOLUTE™



IP67

- The electromagnetic induction principle adopted means Absolute system-type linear scales are highly resistant to environmental contamination.
- Absolute scales have eliminated the need for origin restoration, also drastically reducing power consumption.



Refer to the Linear Scale DRO Systems Brochure (E13000) for more details.