

Linear Scales AT116

SERIES 539 — Economy and Slim Spar Type

FEATURES

- Suitable for milling machines, XY tables, jigs, etc.
- Dimensionally compatible with **AT113** linear scale units.
- Connectable to the **KA** counter, **KLD** counter or **PSU-200**.



SPECIFICATIONS

Model	AT116
Effective range	4" to 60" / 100 to 1500mm (20 models)
Resolution	0.01 to 0.0001mm (.001" to .00005")
Accuracy (20°C)	(5+5L ₀ /1000)µm
Output signal	Two 90° phase-shifted sinusoidal signals
Maximum response speed	50m/min
Signal output pitch	20µm
Scale reference point	Output in 50mm pitch
Protection level	IP53
Operating temperature	0 to 45°C

AT116		Effective range L ₀ inch / mm	Signal cable length (m)
Order No.	Model		
539-271-30	AT116-100	4" /100mm	3.5
539-272-30	AT116-150	6" /150mm	
539-273-30	AT116-200	8" /200mm	
539-274-30	AT116-250	10" /250mm	
539-275-30	AT116-300	12" /300mm	
539-276-30	AT116-350	14" /350mm	
539-277-30	AT116-400	16" /400mm	
539-278-30	AT116-450	18" /450mm	
539-279-30	AT116-500	20" /500mm	
539-281-30	AT116-600	24" /600mm	
539-283-30	AT116-700	28" /700mm	
539-284-30	AT116-750	30" /750mm	
539-285-30	AT116-800	32" /800mm	
539-286-30	AT116-900	36" /900mm	
539-287-30	AT116-1000	40" /1000mm	5
539-288-30	AT116-1100	44" /1100mm	
539-289-30	AT116-1200	48" /1200mm	
539-290-30	AT116-1300	52" /1300mm	
539-291-30	AT116-1400	56" /1400mm	
539-292-30	AT116-1500	60" /1500mm	



Optional Accessories

- 09AAB674A:** Extension cable (2m / 80")
- 09AAB674B:** Extension cable (5m / 200")
- 09AAB674C:** Extension cable (7m / 280")



- 174-183A** 2-Axis KA Counter
- 174-185A** 3-Axis KA Counter



174-183A

Unit: mm (inch)

