

Linear Scales

SERIES 539 – AT103 Standard Spar Linear Scale

- Designed to capture positional coordinates from slides on machine tools and precision instruments; such as are incorporated in semiconductor production equipment, for example.
- The innovative rubber lips keep out contaminants on a machine shop.
- Enhanced vibration resistance and durability.
- An armoured signal cable is used to connect the scale unit to the DRO counter for safe operation in harsh shop environments.
- The signal cable outlet can be positioned on either side of the slider so the signal cable can be connected from either direction.



Technical Data

Effective range:	100-6000 mm
Output waveform:	Two 90° phase-shifted sinusoidal signals
Max. response speed:	120 m/min. (up to 3000 mm) 50 m/min. (3250 mm and over)
Scale grating pitch:	20 µm
Scale reference point pitch:	50 mm
Dust/water protection level:	IP53
Operating temperature:	0°C to 45°C

Optional Accessories

09AAA033A:	Extension cable (2 m)	£162.00
09AAA033B:	Extension cable (5 m)	£228.00
09AAA033C:	Extension cable (7 m)	£269.00



SPECIFICATIONS

High-accuracy type				
Code No.	Range	Accuracy at 20°C*	Signal cable length	Price
539-111-40	100 mm (4")	(3+3L/1000) µm	3 m	£265.00
539-112-40	150 mm (6")	(3+3L/1000) µm	3 m	£270.00
539-113-40	200 mm (8")	(3+3L/1000) µm	3 m	£275.00
539-114-40	250 mm (10")	(3+3L/1000) µm	3 m	£280.00
539-115-40	300 mm (12")	(3+3L/1000) µm	3 m	£285.00
539-116-40	350 mm (14")	(3+3L/1000) µm	3 m	£295.00
539-117-40	400 mm (16")	(3+3L/1000) µm	3 m	£300.00
539-118-40	450 mm (18")	(3+3L/1000) µm	3 m	£310.00
539-119-40	500 mm (20")	(3+3L/1000) µm	3 m	£320.00
539-121-40	600 mm (24")	(3+3L/1000) µm	3 m	£355.00
539-123-40	700 mm (28")	(3+3L/1000) µm	3 m	£365.00
539-124-40	750 mm (30")	(3+3L/1000) µm	3 m	£375.00
539-125-40	800 mm (32")	(3+3L/1000) µm	3 m	£385.00
539-126-40	900 mm (36")	(3+3L/1000) µm	3 m	£400.00
539-127-40	1000 mm (40")	(3+3L/1000) µm	5 m	£420.00
539-128-40	1100 mm (44")	(3+3L/1000) µm	5 m	£440.00
539-129-40	1200 mm (48")	(3+3L/1000) µm	5 m	£455.00
539-130-40	1300 mm (52")	(3+3L/1000) µm	5 m	£475.00
539-131-40	1400 mm (56")	(3+3L/1000) µm	5 m	£495.00
539-132-40	1500 mm (60")	(3+3L/1000) µm	5 m	£510.00
539-133-40	1600 mm (64")	(3+3L/1000) µm	5 m	£770.00
539-134-40	1700 mm (68")	(3+3L/1000) µm	5 m	£810.00
539-135-40	1800 mm (72")	(3+3L/1000) µm	5 m	£845.00
539-136-40	2000 mm (80")	(3+3L/1000) µm	5 m	£925.00

* L = Effective range (mm)