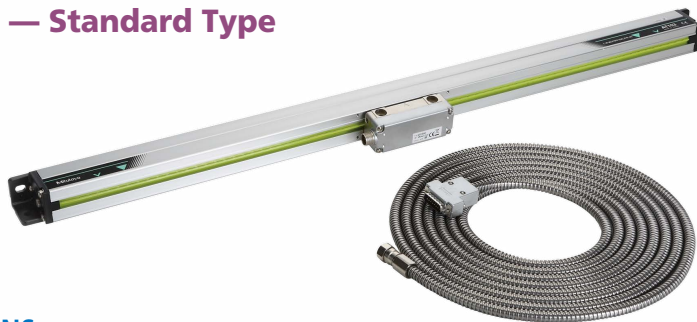




- A wide choice of measuring range is available in this standard type scale unit.
- Connectable to the **KA-200** counter or **PSU-200**.

Linear Scales AT103 SERIES 539 — Standard Type



SPECIFICATIONS

Model	AT103
Effective range	100 to 6000 mm
Accuracy (20 °C)	Effective range 100 to 3000 mm: $(5 + 5L_0/1000) \mu\text{m}$ Effective range 3250 to 6000 mm: $(5 + 8L_0/1000) \mu\text{m}$
Output signal	Two 90° phase-shifted sinusoidal signals
Maximum response speed	120 m/min (50 m/min when the effective measuring length is 3250 to 6000 mm)
Signal output pitch	20 μm
Scale reference point	Output in 50 mm pitch
Operating temperature	0 to 45 °C

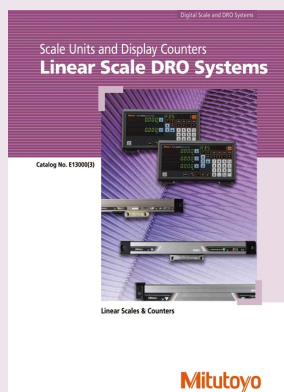
Note 1: High precision model **AT103F** (JIS Class 0, $(3 + 3L_0/1000) \mu\text{m}$) is also available to special order for the effective range of 100 to 2000 mm.

Note 2: Ultra-high precision model **AT103S** $(2 + 2L_0/1000) \mu\text{m}$ is also available to special order for the effective range of 100 to 500 mm.

Note 3: The indication accuracy does not include quantizing error. L_0 =Effective range (mm)

AT103		Effective range* L_0 (mm)	Signal cable length (m)
Order No.	Model		
539-111-30	AT103-100	100 (4 in)	3
539-112-30	AT103-150	150 (6 in)	
539-113-30	AT103-200	200 (8 in)	
539-114-30	AT103-250	250 (10 in)	
539-115-30	AT103-300	300 (12 in)	
539-116-30	AT103-350	350 (14 in)	
539-117-30	AT103-400	400 (16 in)	
539-118-30	AT103-450	450 (18 in)	
539-119-30	AT103-500	500 (20 in)	
539-121-30	AT103-600	600 (24 in)	
539-123-30	AT103-700	700 (28 in)	
539-124-30	AT103-750	750 (30 in)	
539-125-30	AT103-800	800 (32 in)	5
539-126-30	AT103-900	900 (36 in)	
539-127-30	AT103-1000	1000 (40 in)	
539-128-30	AT103-1100	1100 (44 in)	
539-129-30	AT103-1200	1200 (48 in)	
539-130-30	AT103-1300	1300 (52 in)	
539-131-30	AT103-1400	1400 (56 in)	
539-132-30	AT103-1500	1500 (60 in)	
539-133-30	AT103-1600	1600 (64 in)	
539-134-30	AT103-1700	1700 (68 in)	
539-135-30	AT103-1800	1800 (72 in)	
539-136-30	AT103-2000	2000 (80 in)	7
539-137-30	AT103-2200	2200 (88 in)	
539-138-30	AT103-2400	2400 (96 in)	
539-139-30	AT103-2500	2500 (100 in)	
539-140-30	AT103-2600	2600 (104 in)	
539-141-30	AT103-2800	2800 (112 in)	
539-142-30	AT103-3000	3000 (120 in)	10
539-143-30	AT103-3250	3250 (130 in)	
539-144-30	AT103-3500	3500 (140 in)	
539-145-30	AT103-3750	3750 (150 in)	
539-146-30	AT103-4000	4000 (160 in)	
539-147-30	AT103-4250	4250 (170 in)	
539-148-30	AT103-4500	4500 (180 in)	15
539-149-30	AT103-4750	4750 (190 in)	
539-150-30	AT103-5000	5000 (200 in)	
539-151-30	AT103-5250	5250 (210 in)	
539-152-30	AT103-5500	5500 (220 in)	
539-153-30	AT103-5750	5750 (230 in)	
539-154-30	AT103-6000	6000 (240 in)	

* Models for the effective range 3250 mm or more are made-to-order.



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