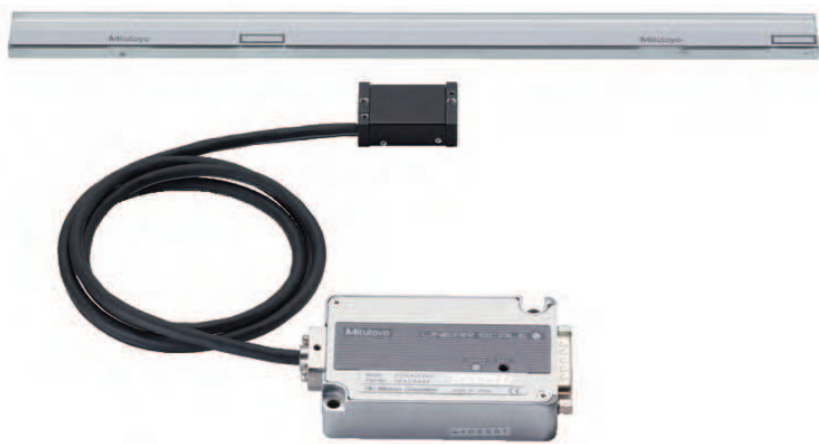


Linear Scale ST36

Series 579 - Range 10-3000mm

High Accuracy Type

- High resolution, high accuracy, portable model designed for exposed installations.
- High-reliability with stable signal output.
- Outputs two-phase sinusoidal signal (signal pitch 4µm) and two-phase square-wave signal simultaneously.
- Equipped with a compact interface box.
- Contact Mitutoyo for installation dimensions.



ST36

No.

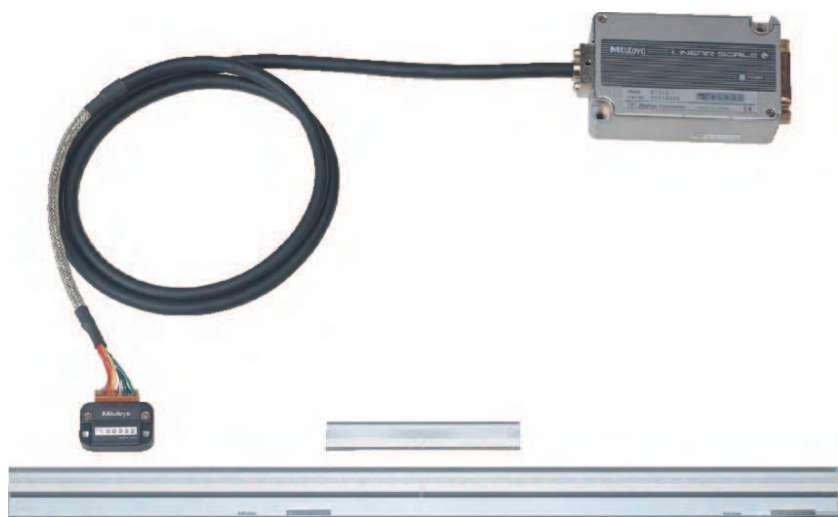
ST36A/B/C

Linear Scale ST422

Series 579 - Range 10-3000mm

Compact type

- Compact design, exposed-type incremental linear scales.
- Maximum response speed is 5000 mm/sec.
- Provided with alarm LED error indication with fault detection signal output for overspeed and sinusoidal signal anomalies.
- Contact Mitutoyo for installation dimensions.



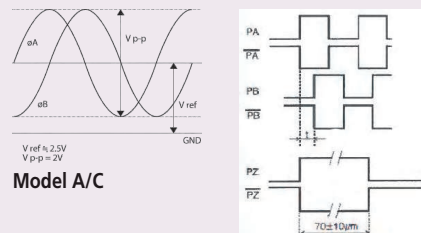
ST422

No.

ST422*

Specifications

Effective range (L0)	10 - 3000 mm
Accuracy at 20°C	10 - 300 mm ±0,5 µm 350 - 500 mm ±1 µm 600 - 1000 mm ±2 µm 1100 - 3000 mm ±2 µm/m
Max. drive speed	1200 mm/sec
Signal period	8 µm
Scale reference points	10 - 75 mm Centre point 100 - 3000 mm every 50 mm
Signal period	4 µm
Resolution	0,01; 0,02; 0,05; 0,1 µm
Output waveform	Two 90° phase-shifted sinusoidal signals (Model A and C) Two 90° phase-shifted square-wave signals (Model B and C)

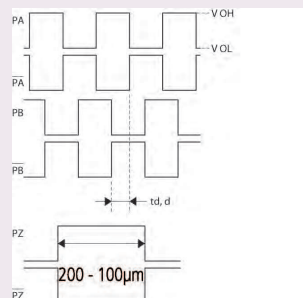


Model A/C

Model B/C

Specifications

Effective range (L0)	10 - 3000 mm
Accuracy at 20°C	10 - 300 mm ±1 µm 350 - 500 mm ±2 µm 600 - 1000 mm ±3 µm 1100 - 3000 mm ±3 µm/m
Max. drive speed	5000 mm/sec
Signal period	40 µm
Scale reference points	10 - 75 mm Centre point 100 - 1000 mm every 50 mm
Signal period	40 µm
Resolution	0,2; 0,5; 1; 5 µm
Output waveform	Two 90° phase-shifted sinusoidal signals Two 90° phase-shifted square-wave signals



Two 90° phase-shifted square waves signals



Refer to the NC Linear Scale brochure for more details