

ABSOLUTE Linear Scale ST700

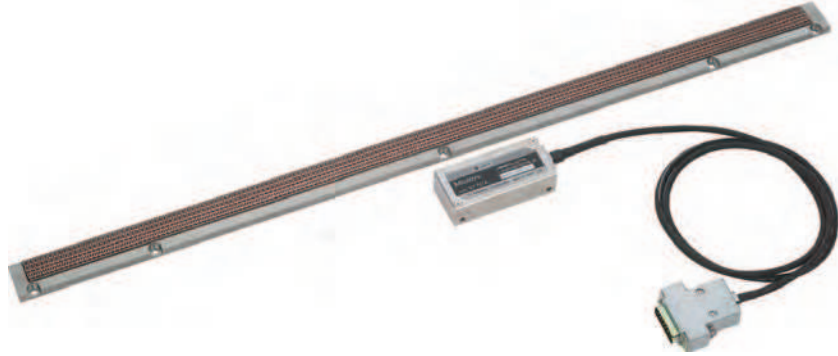
Series 579 - High environmental resistance type - Range 100-6000mm



Specifications

Effective range (L0)	100 - 6000 mm
Accuracy at 20°C	(5+5L/1000) µm L = Effective range (mm)
Max. drive speed	5000 mm/sec
Measurement method	Electromagnetic induction system
Resolution	0,1; 0,5 µm

- ABSOLUTE scales have eliminated the need to re-establish the origin.
- Optimized for the control of linear motors.
- Optimized for high-speed, high-acceleration control.
- A non-contact detection system ensures a long service life.
- Signal adjustment at installation is automatically performed with dedicated software.



Refer to the Linear Scale ST700 brochure for more details

Applicable system	Resolution 0,1 µm	Resolution 0,1 µm	Resolution 0,5 µm	Resolution 0,5 µm
	50 mm head	73 mm head	50 mm head	73 mm head
	No.	No.	No.	No.
[Amplifiers supporting Mitutoyo ENSIS interface] Nikki Denso Co., Ltd. VC Series Servoland Corporation SVF Series PMAC JAPAN Co., Ltd. controller	ABS ST704A ABS ST704AL	ABS ST703A ABS ST703AL	ABS ST702A ABS ST702AL	ABS ST701A ABS ST701AL
FANUC Ltd. FS-I Series control unit, POWER Mate i	—	ABS ST753 ABS ST753L	—	—
Mitsubishi Electric Corporation MR-J2S/MR-J3 Series	ABS ST744A ABS ST744AL	ABS ST743A ABS ST743AL	ABS ST742A ABS ST742AL	ABS ST741A ABS ST741AL
Mitsubishi Electric Corporation MELDAS Series Supported amplifier : MDS-Vn-V1/V2	—	ABS ST743 ABS ST743L	—	—
Panasonic Matsushita Electric Industrial Co., Ltd., Motor Company MINAS A4, A4P, A4N Series	—	ABS ST773A ABS ST773AL	—	ABS ST771A ABS ST771AL
Yaskawa Electric Corporation Σ-III Series	ABS ST784A ABS ST784AL	ABS ST783A ABS ST783AL	ABS ST782A ABS ST782AL	ABS ST781A ABS ST781AL