Integrated Scale Units

SERIES 572 – ABSOLUTE Digimatic Scales Single-Function Type

- Self-powered scales designed to capture positional coordinates from slides on machine tools and precision instruments; such as are incorporated in semiconductor production equipment, for example.
- The ORIGIN key allows setting of an absolute zero point to be used as reference in subsequent measurements. Once set, the ABS Digimatic Scale Unit is ready to show its true position whenever turned on rather than 0.00 as with standard models.
- The ZERO/ABS key allows the display to be zero-set at any slider position along the beam for incremental comparison measurements. This key also allows the return to absolute coordinates with a display of the true position from the origin point.
- No rack, no pinion, no glass scale. The Digimatic scale is safely embedded in the hardened stainless steel blade.
- All units come with two mounting brackets, each located at one end of the scale.
- With SPC data output.

ABSOLUTE

Horizontal type
572-211-30

Vertical type
572-310-10

Technical Data

Accuracy:	Refer to Specifications
Resolution:	.0005 " / 0.01 mm
Display:	LCD
Length standard:	ABSOLUTE electrostatic capacitance type linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), **938882**
Battery life:	Approx. 3.5 years under normal use
Functions:	Origin-set, zero-setting, power on/off, presetting, data hold, data output, inch/mm conversion (inch/mm models)
Alarm:	Low voltage, measurement value composition error.

Dimensions

See page H-07

Optional Accessories

Code No.	Description	
905338	SPC data cable (1 m, standard)	
905409	SPC data cable (2 m, standard)	
905689	SPC data cable (1 m, L-shape, back)	
905690	SPC data cable (2 m, L-shape, back)	
905691	SPC data cable (1 m, L-shape, right)	
905692	SPC data cable (2 m, L-shape, right)	
905693	SPC data cable (1 m, L-shape, left)	
905694	SPC data cable (2 m, L-shape, left)	
959143	Data hold unit	
959149	SPC data cable with pushbutton (1 m)	
959150	SPC data cable with pushbutton (2 m)	

Specifications

Code No.	Range	Accuracy*	L1	L2	Mass
Horizontal type					
572-210-30	0 - 4 " / 0 - 100 mm		209 mm	185 mm	0.23 kg
572-211-30	0 - 6 " / 0 - 150 mm	.001 " / 0.03 mm	259 mm	235 mm	0.25 kg
572-212-30	0 - 8 " / 0 - 200 mm		311 mm	287 mm	0.27 kg
572-213-10	0 - 12 " / 0 - 300 mm	.002 " / 0.04 mm	444 mm	420 mm	0.37 kg
Vertical type					
572-310-10	0 - 4 " / 0 - 100 mm		209 mm	185 mm	0.23 kg
572-311-10	0 - 6 " / 0 - 150 mm	.001 " / 0.03 mm	259 mm	235 mm	0.25 kg
572-312-10	0 - 8 " / 0 - 200 mm		311 mm	287 mm	0.27 kg
572-313-10	0 - 12 " / 0 - 300 mm	.002 " / 0.04 mm	444 mm	420 mm	0.37 kg

* Excluding quantizing error.

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