

# High-speed, High-resolution Absolute Tape Scale ABS ST1300 Series

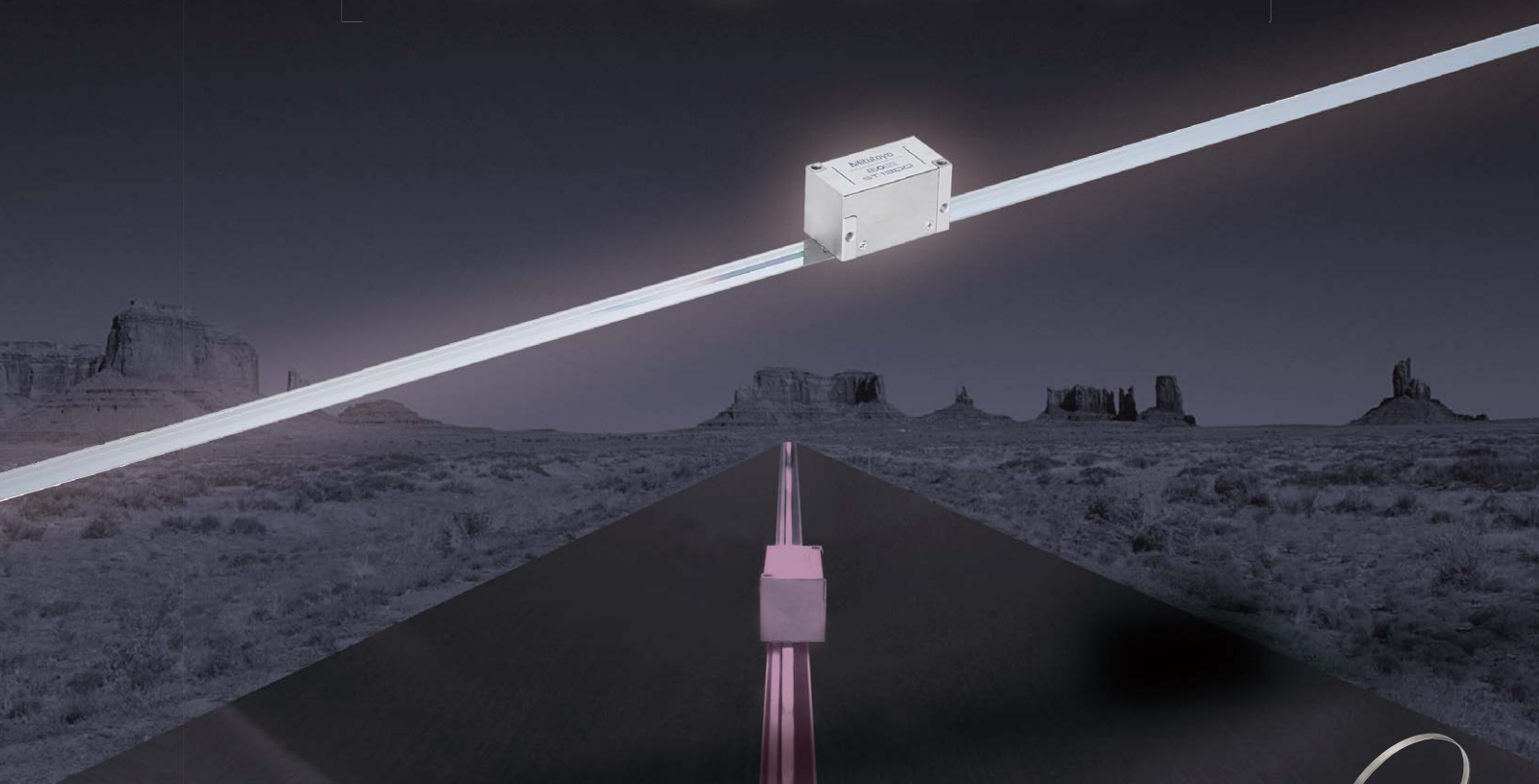


*Long, fast and diverse connectivity*

Digital Scale and DRO Systems



# ABSOLUTE™

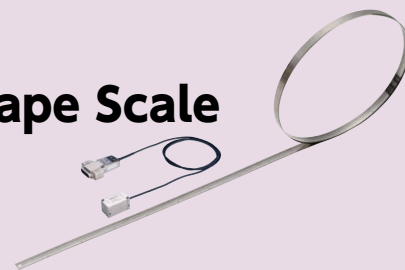


Catalog No. E13011

# Mitutoyo

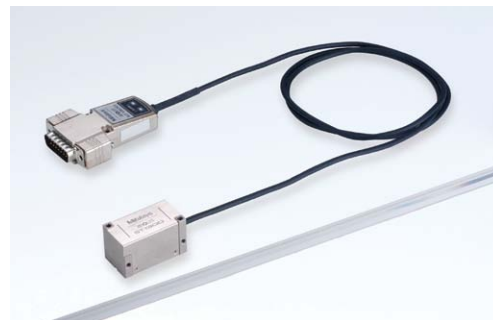


# High-speed, High-resolution Absolute Tape Scale ABS ST1300 Series



## FEATURES

- Realizes a 12m maximum effective length, 8-m/s max. response speed\* and 1nm minimum resolution.
- Extensive interface compatibility. See specifications below for details.
- Outstanding robustness against contamination compared to earlier photoelectric types achieved using a new detection principle.
- Choice between double-sided tape and fixed-ends mounting methods.
- Signal validation program facilitates mounting adjustment and maintenance.



## SPECIFICATIONS

Model	ABS ST1300
Material	Metal tape
Max. effective length	12m
Min. resolution	1nm / 10nm
Accuracy (at 20°C)	10µm/m (±5µm)
Max. response speed	8 m/s*
Applicable interfaces	FANUC; Mitsubishi Electric; Yaskawa Electric; Panasonic; Mitutoyo ENSIS standard interface

\*Varies according to the interface. Please inquire for details.

## APPLICATION EXAMPLES

- ★Semiconductor/FPD manufacturing equipment
- ★Large stages

Planned release: 2015

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