



# NC Linear Scale ST1351A-1000G

Item number: 579-439-55

## Images



## Description

The ABS ST1300 Series is a reflective photoelectric linear encoder equipped with a two-sided telecentric imaging optical system.

The two-sided telecentric imaging optical system captures a scale grid as an image and detects its travel distance using light receiving elements. With a focal depth deeper than the conventional optical system, this system has a greater allowance for changes in the gap, such as allowance for scale undulation, stage posture change, and Detector installation. It also secures a wide imaging range, resulting in a greater allowance even for dirt and small scratches on the scale.

This product achieves the maximum effective length of 12 m, maximum response speed of 8 m/s, and minimum resolution of 0.001  $\mu\text{m}$ . In addition, the following interface specifications compatible with the high-speed serial interface of the companies are available.

- Mitsubishi Electric Corporation specifications
- FANUC Corporation specifications
- Yaskawa Electric Corporation specifications
- Mitutoyo Corporation ENSIS® specifications

## Specification

|                               |                                                                                      |
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| <b>Applicable Interfaces:</b> | FANUC high-speed serial interface ( $\alpha$ and $\alpha i$ interface are available) |
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