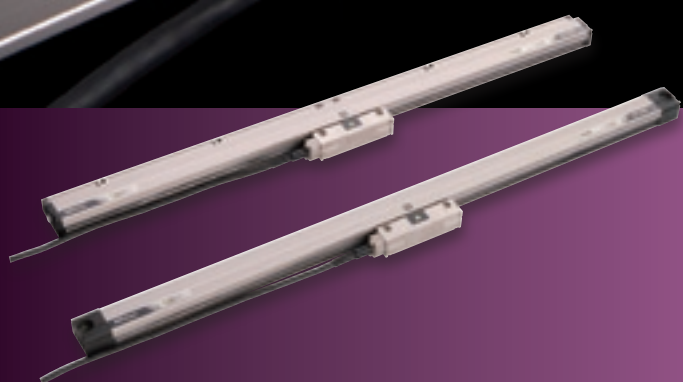


Absolute Scale Unit ABS AT1300 Series



Stain-resistant High-accuracy/High-resolution Optical Scale



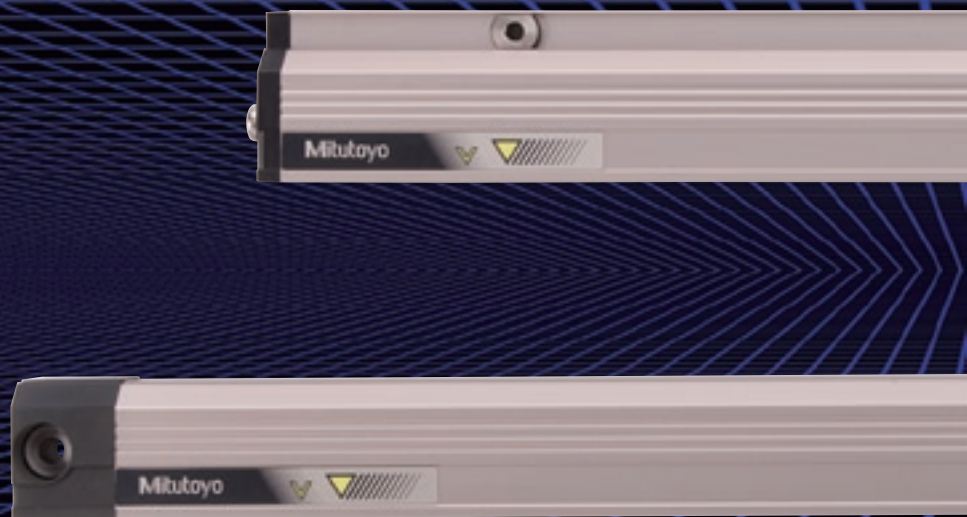
Digital Scale and DRO Systems



Stain-resistant High-accuracy



ABS AT1300 Series



Meets demand for higher accuracy/resolution

- Delivers high accuracy and the outstanding resolution of 0.001 μm , the best-in-class in absolute scales.
- Allows space-saving design thanks to a slim form. AT500-S and AT500-H are compatible with each other in installation.

Increased resistance to stains and scratches

- This scale has a higher resistance to the negative effect of stains and scratches on the scale surface than the conventional optical type that uses an image pickup system as the detection principle.

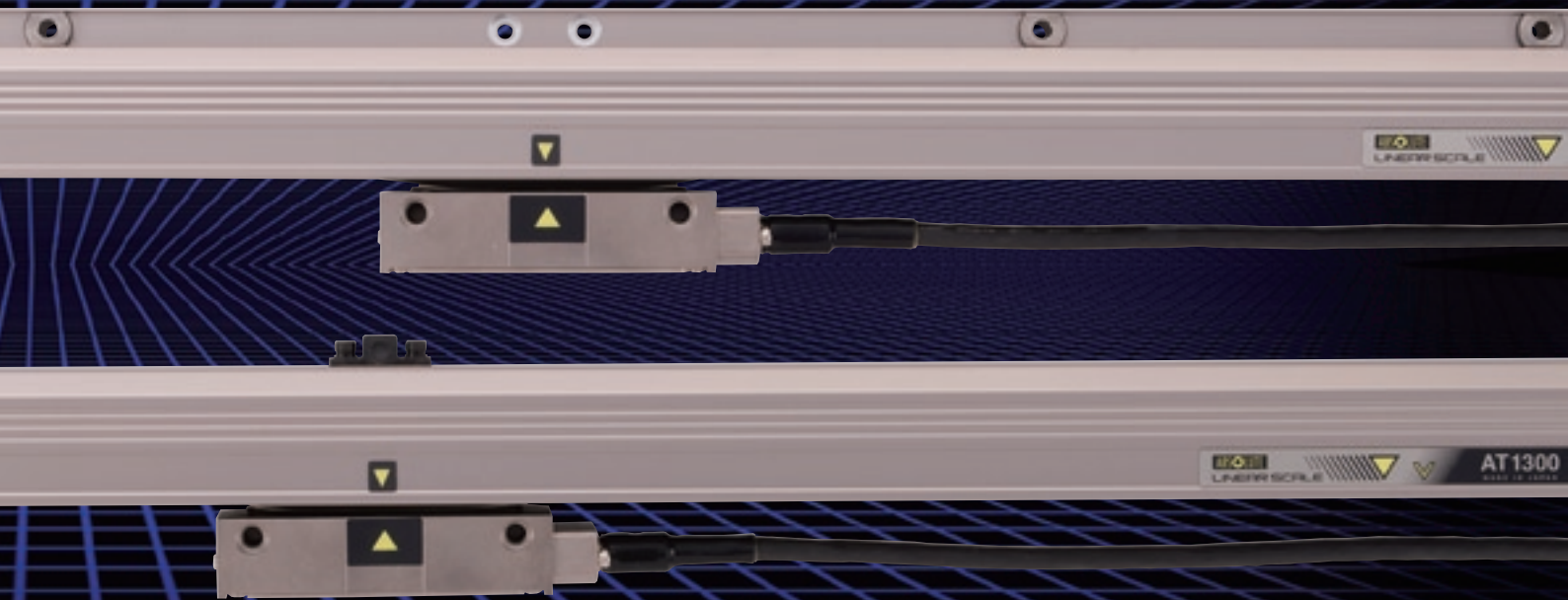


High rigidity type ABS AT1300-S



High accuracy type ABS AT1300-H

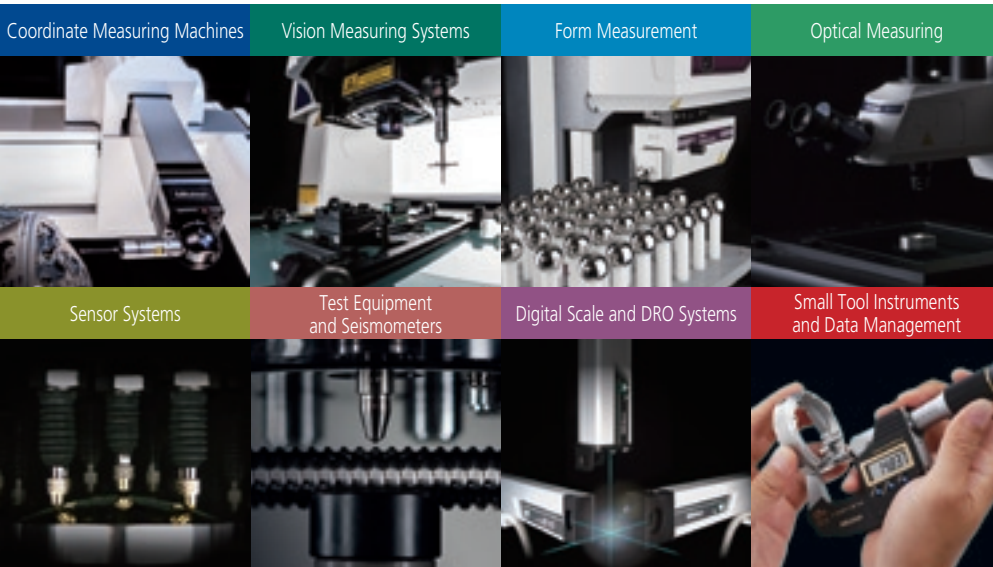
High-resolution Optical Scale



SPECIFICATIONS

| | ABS AT1300 | |
|---|--|--------------------------|
| | High rigidity type | Enhanced accuracy type |
| Detection method | Photoelectric type (two-sided telecentric optical system) | |
| Maximum effective measuring range | 2.2 m | 1 m |
| Resolution | 0.001/0.01/0.05 μm | |
| Indication accuracy (20°C) Lo: effective range (mm) | 3+3Lo/1000 μm | 2+2Lo/1000 μm |
| Maximum response speed | 3 m/s | |
| Cross-section size | 23x66 mm | 24x64.5 mm |
| Available interfaces* | FANUC CORPORATION, Serial α i Interface Mitsubishi Electric Corporation, high-speed serial interface Mitutoyo ENSIS interface | |

* Be sure to contact each manufacturer for details of the applicable systems (availability of connection).



Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver bespoke measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.



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and our product catalogue

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