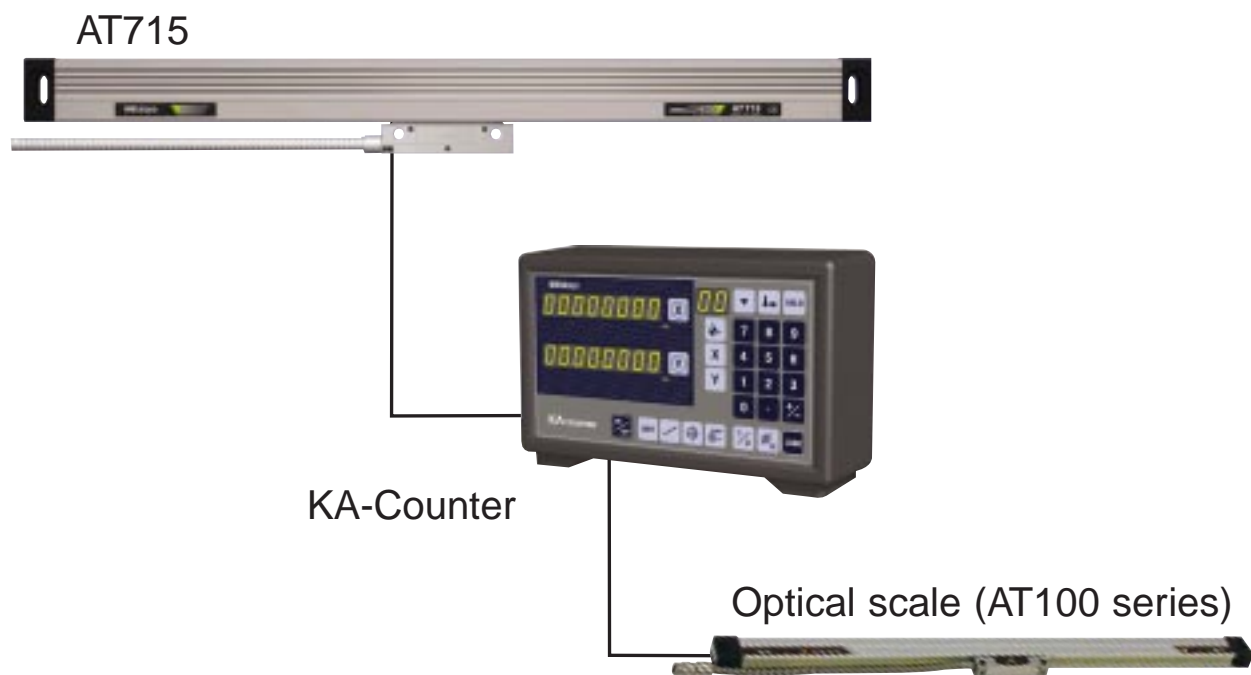


## ABS-AOS-DRO Linear Scale System



### ABS-AOS-DRO Linear Scale System

Recognizing the need to make digital read-out systems more shop floor capable, Mitutoyo introduces the new AOS DRO system. This new digital readout counter/scale combination provides maximum in shop use.

The new scales, the AT715 series, offer IP-55 resistance to dust and coolants, making them useful for such operations as wet milling, drilling and turning work. Available in lengths from 4" up to 6 feet, these scales can work for

almost any machine tool bed size. Resolutions of .0005" and .0001" provide plenty of accuracy for most jobs.

The new KA counter is capable of two or three axis operation, with 10 coordinate features and an Absolute Origin system that always remembers its point of reference. A sealing membrane hardens this counter against dirt and grit.

# ABS-AOS-DRO Linear Scale System

## Specifications

### AT715 Linear scale

Detection system	Electromagnetic induction system (3 tracks, absolute AOS)
Resolution	0.005 mm / 0.002 mm / 0.001 mm (Changeable by parameter setting) .0005 inch / .0002 inch / .0001 inch / .00005 inch (Changeable by parameter setting)
Dimensions	Almost same as AT111 (a point of difference refer to appearance dimensions)
Effective range	3.94" x 70.87"/100 ~ 1800 mm
Signal output	Mitutoyo original Serial format (can not connect to KL, KLL, KS, KC Counter)
Accuracy	( 7 + 13L / 1000 )um [ L : Effective range (mm) ]
Maximum response speed	50 m / min.
CE marking	Corresponding to the regulations

### KA-Counter

Resolution	0.005 mm / 0.002 mm / 0.001 mm (Changeable by parameter setting) .0005 inch / .0002 inch / .0001 inch / .00005 inch (Changeable by parameter setting)
Readout	2-axis, 3-axis ( Using 2-axis counter for 1-axis requirement.) ( For lathes, using 3-axis counter with the parameter setting changed
Display	Seven segment LED / 7 digit, 1 digit for coordinate number
Main function	Zero setting, Preset, Low digit OFF, 10 coordinates, Bolt-Hole-Circle, mm / inch conversion, Counting direction setting, Resolution setting (Parameter setting), Diameter display, 1/2 calculation, Smoothing display, Tool offset (Parameter setting)
Input	Automatic discrimination of scale connected ABS-AOS-DRO scale (AT715 and AT100 series) 2Vpp sine wave
Output	RS-232C interface ( Option )
CE marking	Corresponding to the regulations

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