

TECHNICAL SPECIFICATIONS

DRO SINO SDS6 and LINEAR SCALE KA300/600



SDS6-2V



SDS6-3V



1. DRO

a) Product Overview:

The SDS6 2V is a Multifunctional 2 axis digital readout. It can adapt the different needs of machining by modifying the system parameters. It has many graphics machining functions, such as: Arc Calculation function, circular equally dividing holes, drilling hole along an oblique line, Angular Surface Processing, Calculation function, Measurement for Taper Function, Digital Filter Function. These functions bring the easiness for the graphics function.

SDS6-3V is multifunctional 3-coordinate numerical display gauge. By different machine tool, this gauge can switch to corresponding function just by changing the parameters. It is provided with many graphic machining functions, including: R-arc function, equal-division function, bevel machining function and diagonal boring function for milling machine; EDM function for spark tester; tool library and taper measuring function for lathe. With these functions, it can largely reduce the difficulty up graphic machining.

b) Features:

● Basic Function

- 200 Points Auxiliary Zero Position Function
- Power Off Memory Function
- Midpoint Function
- Mathematic Function Calculator (for milling machine)
- Linear error compensation Function and non-linear error compensation function
- Metric/Inch Switching Display

● Machining Function

- PCD Hole Positioning on Circumference(available for milling machine and EDM);
- Tool compensation function (available for milling machine)

- Taper machining (for milling machine)
- EDM function (for EDM, special order)
- RS-232 interface (special order)
- Slant hole drilling (for milling machine)
- Taper measuring function (for lathe)
- R radius function (for milling)
- 200 tool data base (for lathe)

Note: above functions are subject to instruction manual.

2. Linear Scale

KA-300 is the most commonly used standard ruler (TTL electric level).For the KA Series of linear encoder from our company, every ruler has passed through the strict quality measure technology dynamic laser control is used to ensure that the precision of every ruler has met the required standard before being delivered from the factory.

PARAMETER \ TYPE	KA-300
Measure Length (mm)	70-1020
Cross section (mm)	25x34
Accuracy (μm)	±3/±5/±10μm(20°C/68°F)
Max of measuring speed	60m/min
Reference Point	One unit per 50mm
Protection	IP55
Resolution (μm)	0.5/1/5
Output	TTL

PARAMETER \ TYPE	KA-600
Measure Length (mm)	1000-3000
Cross section (mm)	30x43
Accuracy (μm)	±3/±5/±10μm(20°C/68°F)
Max of measuring speed	60m/min
Reference Point	One unit per 50mm
Protection	IP55
Resolution (μm)	0.5/1/5
Output	TTL