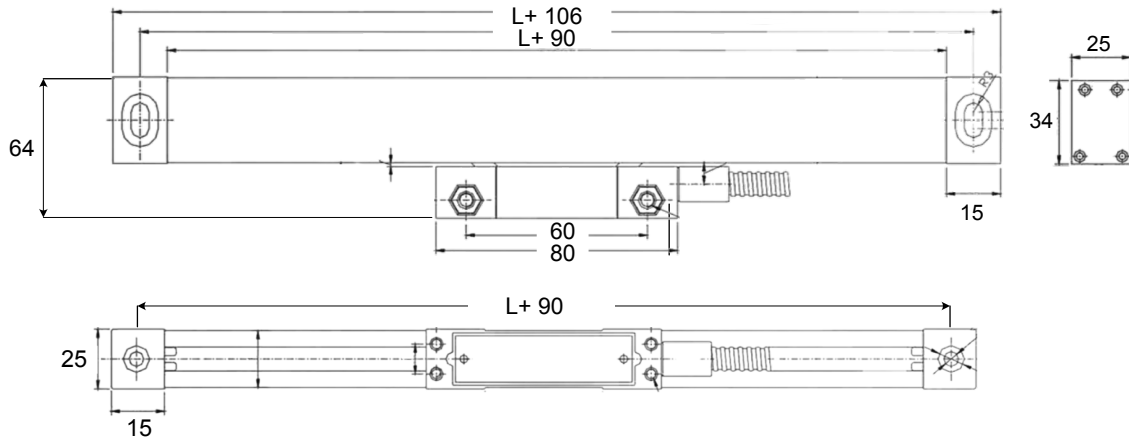


SINO Linear Scales KA-300

- 320mm - 1020mm Measuring Lengths (15 Off - 50mm increments).
- IP53 Protection.
- Measurements & installation can be done by our in-house technical department. (Recommended).
- Includes KA-300 reader head.
- Includes scale cover for swarf protection.



(mm)

Stock Code	KA-300-320	KA-300-370	KA-300-420	KA-300-470	KA-300-520	KA-300-570	KA-300-620	KA-300-670
Measuring Length (L)	320	370	420	470	520	570	620	670
Overall Length	426	476	526	576	626	676	726	776
Cross Section	25 x 34	25 x 34	25 x 34	25 x 34	25 x 34	25 x 34	25 x 34	25 x 34
Cable Length	3m	3m	3m	3m	3m	3m	3m	3m

(mm)

Stock Code	KA-300-720	KA-300-770	KA-300-820	KA-300-870	KA-300-920	KA-300-970	KA-300-1020
Measuring Length (L)	720	770	820	870	920	970	1020
Overall Length	826	876	926	976	1026	1076	1126
Cross Section	25 x 34	25 x 34	25 x 34	25 x 34	25 x 34	25 x 34	25 x 34
Cable Length	3m	3m	3m	3m	3m	3m	3m

ASIC for signal interpolation

ASIC for signal Interpolation is built-in inside the KA Series Glass grating linear transducer to facilitate increased resolution of the grating.

All frequency multiplication is implemented 100% by hardware phase shifting inside the ASIC to minimise the real time measurement error. Because all resistor ladders for phase shifting are constructed with the same piece of semiconductor inside the ASIC, which have same temperature coefficient, therefore, error drift caused by environmental temperature change is minimised.

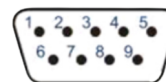
Industrial standard output signal interface

The industrial standard TTL, RS-422-A and RS-485(optional, available under request) digital signal output are available for user's choice.

User can choose the most suitable signal interface according to their cost, power consideration & EMI requirements. Standard 9 pin DSUB9 and 7 pin DIN7 connectors are available for user's choice.

Dsub 9

9 pin male connector plug



Pin	TTL Signal	TTL Cable	422A Signal	422A Cable
1	—	—	A	Yellow
2	0V	Orange	0V	White
3	—	—	B	Red
4	Gnd	Ground	Gnd	Ground
5	—	—	R	Black
6	A	Yellow	A	Green
7	5V	Red	5V	Brown
8	B	Green	B	Blue
9	R	Brown	R	Gray



100% Laser calibration

All glass grating transducers are individually inspected and calibrated by our in-house laser interferometer to ensure measuring accuracy comply 100% with the specifications.

TTL output signal

Recommended interface

