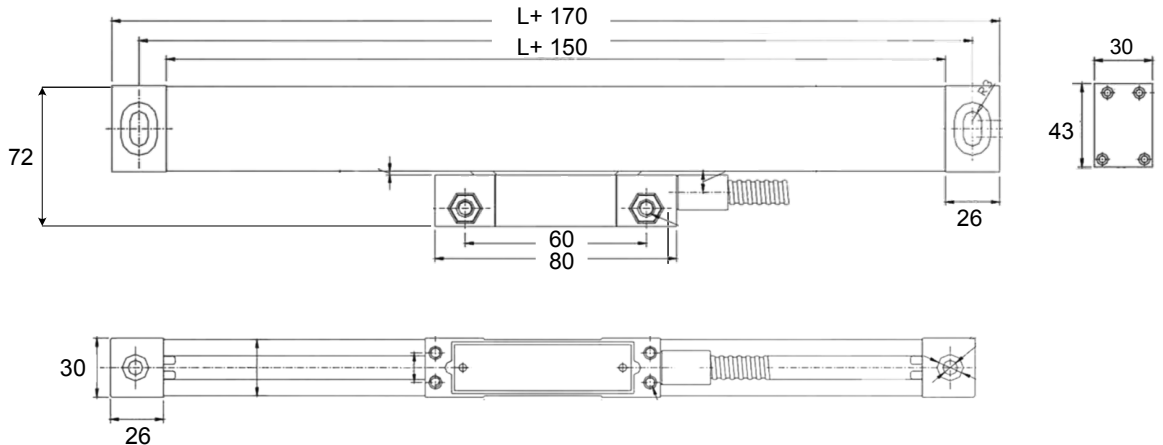


SINO Linear Scales KA-600

- 1100mm - 2100mm Measuring Lengths (11 Off - 100mm increments).
- 2200mm, 2600mm & 3000mm measuring lengths.
- IP53 Protection.
- Measurements & installation can be done by our in-house technical department. (Recommended).
- Includes KA-600 reader head.
- Includes scale cover for swarf protection.



Stock Code	KA-600-1100	KA-600-1200	KA-600-1300	KA-600-1400	KA-600-1500	KA-600-1600	KA-600-1700
Measuring Length (L)	1100	1200	1300	1400	1500	1600	1700
Overall Length	1270	1370	1470	1570	1670	1770	1870
Cross Section	30 x 43	30 x 43	30 x 43	30 x 43	30 x 43	30 x 43	30 x 43
Cable Length	3m	3m	3m	3m	3m	3m	3m

Stock Code	KA-600-1800	KA-600-1900	KA-600-2000	KA-600-2100	KA-600-2200	KA-600-2600	KA-600-3000
Measuring Length (L)	1800	1900	2000	2100	2200	2600	3000
Overall Length	1970	2070	2170	2270	2370	2770	3170
Cross Section	30 x 43	30 x 43	30 x 43	30 x 43	30 x 43	30 x 43	30 x 43
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.

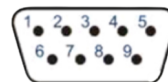
All frequency multiplication is implemented 100% by hardware phase shifting inside the ASIC to minimise the real time measurement error. Because all resistor ladders for phase shifting are constructed with the same piece of semiconductor inside the ASIC, which have same temperature coefficient, therefore, 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	—	—	$\bar{A}$	Yellow
2	0V	Orange	0V	White
3	—	—	$\bar{B}$	Red
4	Gnd	Ground	Gnd	Ground
5	—	—	$\bar{R}$	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

