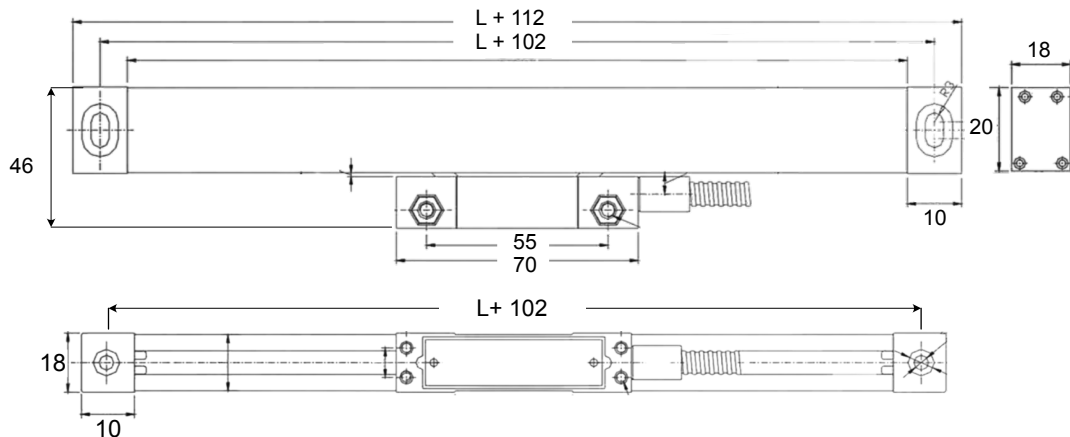


SINO Linear Scales KA-500

- 120mm - 270mm Measuring Lengths (4 Off - 50mm increments).
- IP53 Protection.
- Slim Line Range for narrow/small spaces.
- Measurements & installation can be done by our in-house technical department. (Recommended).
- Includes KA-500 reader head.
- Includes scale cover for swarf protection.



Stock Code	KA-500-120	KA-500-170	KA-500-220	KA-500-270
Measuring Length (L)	120	170	220	270
Overall Length	232	282	332	382
Cross Section	18 x 20	18 x 20	18 x 20	18 x 20
Cable Length	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.

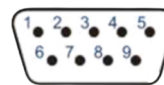
Industrial standard output signal interface

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

