

Linear measurement systems



Version	Linear measurement system	Linear measurement system	Miniature draw-wire sensor with encoder analog	Draw-wire sensor A50
Series	LIMES LI20/B1 Magnetic sensor with magnetic band Up to 25 m/s	LIMES LI50/B2 Magnetic sensor with magnetic band Large distance between band and sensor possible	Compact	Draw-wire sensor for high acceleration and traverse speed
Mechanical characteristics				
Measuring range [mm]	up to 50 000	up to 50 000	up to 2000	up to 1250
Resolution [mm]	0.01	0.005	0.1	0.05
Dimensions	10 x 25 x 40	10 x 25 x 40	40 x 40 x 55	50 x 50
Temperature range [°C]	-20 ... +80	-20 ... +80	-10 ... +80	-20 ... +85
Materials				
Housing	Zink die-cast	Zink die-cast	Plastic reinforced	Titanium anodised Al.
Wire	-	-	Steel wire	Stainless-steel wire
Suitable encoders/interfaces				
	Push-pull, RS422	Push-pull, RS422	Encoder (2400) or potentiometer	Incr. encoder 3610 or analogue output: 0 ... 10 V, 4 ... 20 mA, potentiometer

Linear measurement systems



Version	Draw-wire sensor	Draw-wire sensor	Draw-wire sensor for encoders	Draw-wire sensor
Series	B80 Draw-wire sensor for high acceleration and traverse speed	C120 Draw-wire sensor for high acceleration and traverse speed	For standard applications	D135 Draw-wire sensor for high acceleration and traverse speed
Mechanical characteristics				
Measuring range [mm]	up to 3000	up to 6000	up to 6000	up to 40 000
Resolution [mm]	0.05	0.08	0.1	0.08
Dimensions	80 x 80	120 x 120	105 x 115	135 x 135
Temperature range [°C]	-20 ... +85	-20 ... +85	-20 ... +80	-20 ... +85
Materials				
Housing	Titanium anodised Al.	Titanium anodised Al.	Al	Titanium anodised Al.
Wire	Stainless-steel wire	Stainless-steel wire	Steel wire, Paraleine	Stainless-steel wire
Suitable encoders/interfaces				
	Incr. encoders Abs. encoders Fieldbus encoders Analogue output	Incr. encoders Abs. encoders Fieldbus encoders Analogue output	Incr. encoders Abs. encoders Fieldbus encoders	Incr. encoders Abs. encoders Fieldbus encoders Analogue output