

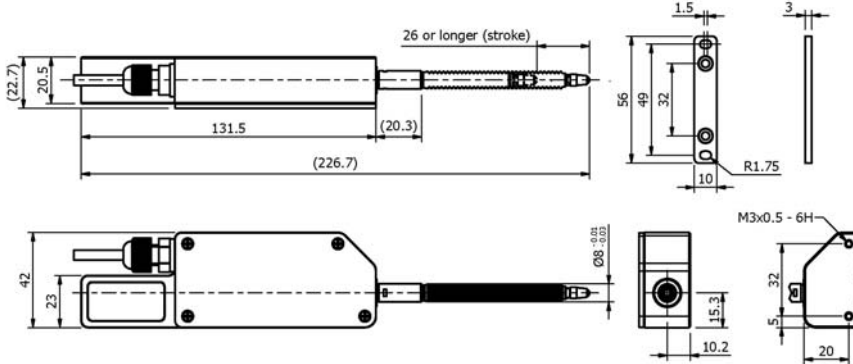
LT

DISPLACEMENT SENSOR LINEAR GAUGE



- Measuring Range 25 mm
- Resolution 20, 10, 5, 4 μm
- Line Drive

DIMENSION



ORDERING INFORMATION

LT-AA25-		
	Resolution 解析	Electronics 電路特性
	20: 20 μm	L: Line Driver 5Vdc
	10: 10 μm	H: Line Driver 8-26Vdc
	05: 5 μm	
	04: 4 μm	

ELECTRICAL SPEC.

Position Detection Method 檢測方式	Photoelectric Linear Encoder
Stroke (mm) 量測行程	25 mm
Standard Resolution (μm /pulse) 解析	20, 10, 5, 4 μm
Measuring Accuracy (at 25°C) 精度	5 μm
Quantizing Error 誤差	5 μ \pm 1 count
Response Speed 響應速度	1200 mm/sec.
Electronics 電路特性	Line Driver
Power Supply 供應電源	DC 5V / DC 8~26V
Phase Different 相位差	A, B phase different, differential Square Wave

MECHANICAL SPEC.

Measuring Force-Contact Point 測量力	[Upwards 朝上] 4N or less [Horizontal 水平] 4.3N or less [Downwards 朝下] 4.5N or less
Contact Point 探頭	\varnothing 3 Carbide-Tipped (fixing Screw: M2.5x5)
Stem Diameter 固定桿徑	\varnothing 8
Vibration 震動	1.5 mm peak-to-peak amplitude, 10 ~55 Hz, 2hours each in X.Y.Z directions
Cable 電線	\varnothing 4.5, 100 cm long
Weight 重量	< 260g

ENVIRONMENTAL SPEC.

Operating Temp. / Humidity 操作溫度	0°C ~ 40°C
Storage Temp. 儲存溫度	-10°C ~ 55°C
Protection 保護等級	IP55 Dust Proof
Mechanical Life Times 機械壽命	5X10 ⁶ cycles (3 times/sec.)