

## Features

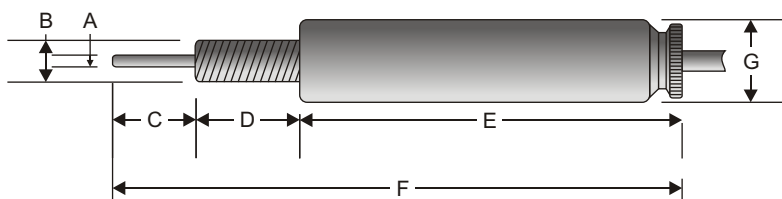
- 精確度  $\pm 0.25\%$  滿刻度。
- 量測位移量 0 ~ 2.5mm 至 0 ~ 50mm。
- 感測器本體採不銹鋼 (SUS316 材質)。
- 安裝方便，使用壽命長。
- 結構精巧，可在惡劣環境下正常使用。
- 適用：位移、厚薄度、管徑、間隙等自動品管或靜態抽驗量測應用。
- Measured at 25 °C, using 5.0 volts RMS sine wave excitation at optimum frequency -



## Specifications

TYPE		LA-2.5	LA-6.5	LA-15	LA-50
Linear range from null	Minimum	0	0	0	0
	Nominal	-	-	-	-
	Maximum	2.5mm	6.5mm	15mm	50mm
Linearity (BSL) over full range	Minimum	-	-	-	-
	Nominal	$\pm 0.1\%$ FS	$\pm 0.1\%$ FS	$\pm 0.1\%$ FS	$\pm 0.1\%$ FS
	Maximum	$\pm 0.3\%$ FS	$\pm 0.25\%$ FS	$\pm 0.25\%$ FS	$\pm 0.35\%$ FS
Optimum frequency	Minimum	200 Hz	50 Hz	50 Hz	500 Hz
	Nominal	1190 Hz	350 Hz	150 Hz	2000 Hz
	Maximum	3000 Hz	1100 Hz	350 Hz	4000 Hz
Output at range limits	Minimum	1.69 V	1.79 V	2.99 V	427 mV
	Nominal	1.88 V	1.99 V	3.32 V	485 mV
	Maximum	2.07 V	2.19 V	3.65 V	543 mV
Primary impedance	Minimum	306 ohms/ +67 deg	247 ohms/ +63 deg	288 ohms/ +59 deg	6010 ohms/ +58 deg
	Nominal	340 ohms/ +72 deg	275 ohms/ +68 deg	320 ohms/ +64 deg	6680 ohms/ +63 deg
	Maximum	374 ohms/ +77 deg	303 ohms/ +73 deg	352 ohms/ +69 deg	7350 ohms/ +68 deg
Secondary impedance entire secondary	Minimum	4250 ohms/ +50 deg	977 ohms/ +50.5 deg	1466 ohms/ +46 deg	407 ohms/ +9 deg
	Nominal	5000 ohms/ +56 deg	1150 ohms/ +56.5 deg	1725 ohms/ +52 deg	479 ohms/ +15 deg
	Maximum	5750 ohms/ +62 deg	1323 ohms/ +62.5 deg	1984 ohms/ +58 deg	551 ohms/ +21 deg
Primary DCR	Minimum	54.9 ohms	48.0 ohms	63.3 ohms	910 ohms
	Nominal	64.1 ohms	56.5 ohms	74.5 ohms	1071 ohms
	Maximum	73.7 ohms	65.0 ohms	85.7 ohms	1232 ohms
Secondary DCR entire secondary	Minimum	2185 ohms	501 ohms	841 ohms	384 ohms
	Nominal	2570 ohms	590 ohms	990 ohms	452 ohms
	Maximum	2955 ohms	679 ohms	1139 ohms	520 ohms
Phase shift primary to secondary	Minimum	0 deg	+1 deg	-0.5 deg	-3 deg
	Nominal	+5 deg	+6 deg	+4.5 deg	+2 deg
	Maximum	+10 deg	+11 deg	+9.5 deg	+7 deg
Null	Maximum	0.6% FS	0.3% FS	0.4% FS	0.5% FS
Output T.C.		$= 0.0 \times 10^{-4} ( )$ $= -6 \times 10^{-7} ( )$	$= 0.0 \times 10^{-4} ( )$ $= -6 \times 10^{-7} ( )$	$= 0.0 \times 10^{-4} ( )$ $= -6 \times 10^{-7} ( )$	$= +0.7 \times 10^{-4} ( )$ $= -2 \times 10^{-7} ( )$
Voltage, windings to case	500 volts peak				
Power dissipation	0.25 Watt				
Operating/storage temperature	-35 (-31 °C) ~ +80 (+176 °C)				

## Dimensions (Unit:mm)



型號	A	B	C	D	E	F	G
LA-2.5	4	G1/4"M1.25	14	24(20牙)	78.5	116.5	25.5
LA-6.5	4	G1/4"M1.25	19.5	24(20牙)	101	144.5	25.5
LA-15	4	G1/4"M1.25	29	28(20牙)	144	201	25.5
LA-50	6	G3/8"M1.25	75	65(18牙)	208	348	25.5

\*G1/4"M1.25(OD = 12.487mm, P = 1.25mm)  
\*G3/8"M1.25(OD = 15.925mm, P = 1.25mm)

## Terminal Connection

