

LF Series

SPECIFICATIONS

LF Linear Variable Differential Transformer (LVDT)

Model Code

LF-    -  AU

Model Code	100-1	100-2	250-1	250-2	300-1	400-1	Shape of outer pipe
Stroke	100mm		250mm		300mm	400mm	A Without collar
L2(Outer pipe)	488mm	902mm	488mm	539mm	565mm	610mm	
L3(NULL)	593mm	1006mm	686mm	737mm	787mm	883mm	
Sensitivity	13.0mV DC/Vrms/mm		5.20mV DC/Vrms/mm		4.33mV DC/Vrms/mm	3.25mV DC/Vrms/mm	
Sensitivity error	±5%						

LF-    -  BU

Model Code	100-1	100-2	250-1	250-2	300-1	400-1	Shape of outer pipe
Stroke	100mm		250mm		300mm	400mm	B With collar
L2(Outer pipe)	503mm	917mm	503mm	554mm	580mm	625mm	L2,L3 : Refer to Outline Drawing
L3(NULL)	608mm	1021mm	701mm	752mm	802mm	898mm	
Sensitivity	13.0mV DC/Vrms/mm		5.20mV DC/Vrms/mm		4.33mV DC/Vrms/mm	3.25mV DC/Vrms/mm	
Sensitivity error	±5%						

SPECIFICATIONS

Stroke	100, 250, 300, 400mm
Excitation	8Vrms, 1kHz, sinusoidal wave
Operating temperature	-20 to +150°C
Linearity	Within ±1.0% of F.S.
Input impedance	More than 300Ω, 1kHz (at Null point)
Output impedance	Less than 250Ω (one side), 1kHz (at Null point)
Temperature drift	Within ±0.02% of F.S./°C
Insulation resistance	More than 100MΩ at 500VDC (between each lead wire and body, between primary coil and secondary coil)
Dielectric strength	3mA or less at 1500VAC 60Hz for one minute (between each lead wire and body)
Shock vibration	98m/s <sup>2</sup> (10g REF.) at 150Hz
Lead wire	0.2mm <sup>2</sup>
Connected equipment	VM-21D or refer to following diagram.(prepared by customer)

