

LINEAR SCALES

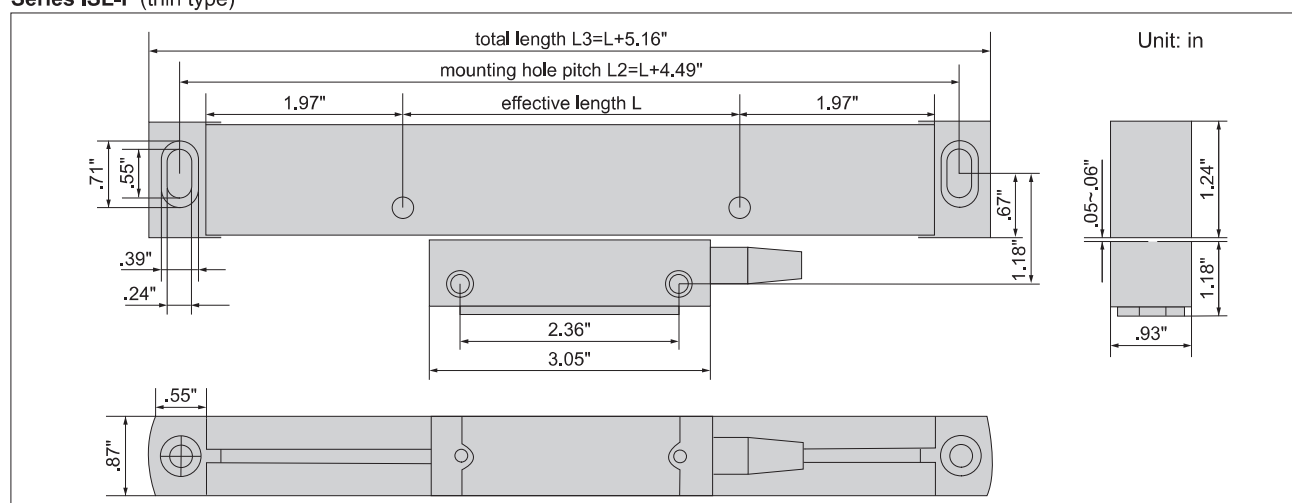
IP53
WATERPROOF



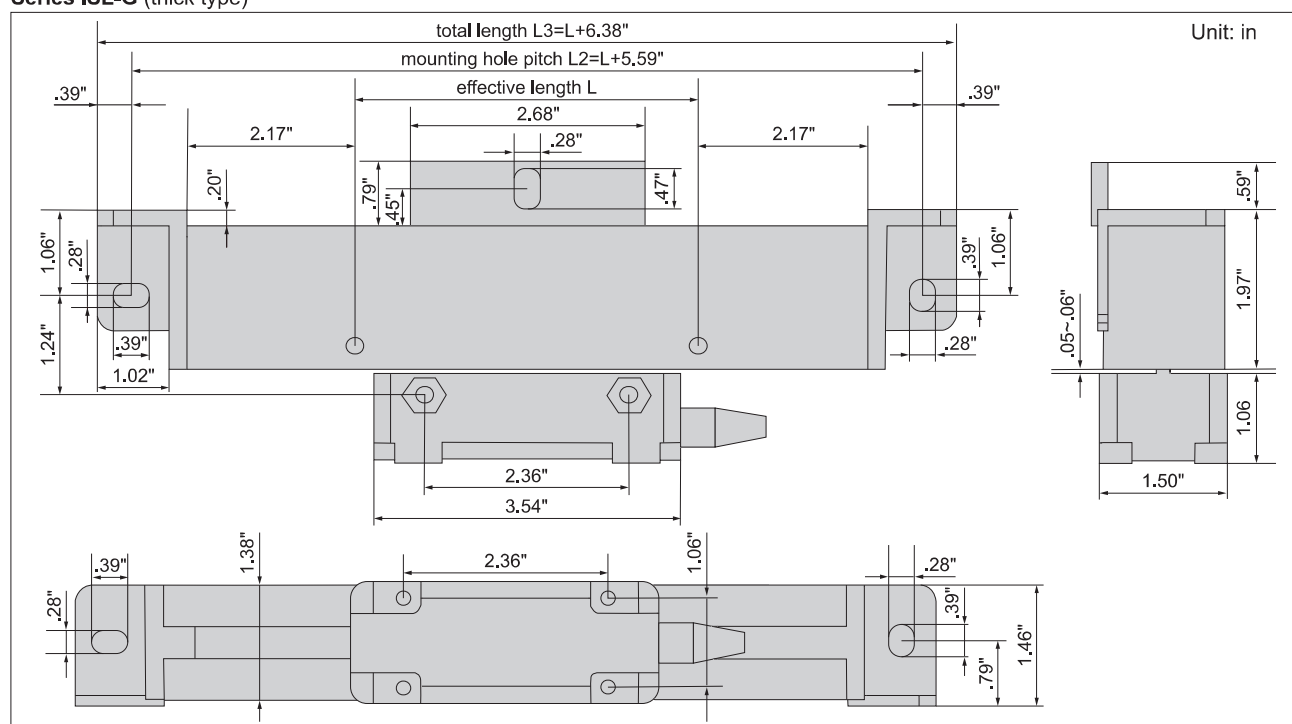
ISL-F400-5T

- Connected to digital display box or PLC

Series ISL-F (thin type)



Series ISL-G (thick type)



SPECIFICATION

Part No.	Series ISL-F (thin type)	Series ISL-G (thick type)
Max. travel length L1	L+3.94" (L is effective length)	L+4.33" (L is effective length★)
Mounting hole pitch L2	L+4.49"	L+5.59"
Total length L3	L+5.16"	L+6.38"
Thickness	.87"	1.38"
Max. response speed	196ft/min	
Scale grating pitch	787μin	
Scale reference point pitch	1.97"	
Accuracy	±315μin (L: 2-8"), ±394μin (L: 9-20"), ±591μin (L: 21-40"), ±1969μin (L: 41-60"), ±3150μin (L: 61-80"), ±4725μin (L: 81-120"), L is the effective length	
Cable length	140" (L: 2-38"), 200" (L: 40-60"), 400" (L: 64-120")	
Power supply	5V±5% (when the output signal is HTL, the power supply can be customised to 12V±5%, 15V±5%, 18V±5% and 24V±5%)	
Socket★★	DB9	
Operation environment	32~122°F	
Storage environment	-4~158°F	
Dust/waterproof	IP53	

- ★ The effective length of series **ISL-G** can be customised up to 240"
- ★★ Sockets can be customised to 7-pin round plug, DB15 and 9-pin round M23 plug.
- ★★★ Output signals can be customised to 1Vpp and 11μApp

Series ISL-F (thin type)

Effective length (L)	Part No.								
	Output signal TTL★★★			Output signal HTL★★★			Output signal RS422★★★		
	Resolution 20μin	Resolution 40μin	Resolution 200μin	Resolution 20μin	Resolution 40μin	Resolution 200μin	Resolution 20μin	Resolution 40μin	Resolution 200μin
2"/50mm	ISL-F50-05T	ISL-F50-1T	ISL-F50-5T	ISL-F50-05H	ISL-F50-1H	ISL-F50-5H	ISL-F50-05R	ISL-F50-1R	ISL-F50-5R
4"/100mm	ISL-F100-05T	ISL-F100-1T	ISL-F100-5T	ISL-F100-05H	ISL-F100-1H	ISL-F100-5H	ISL-F100-05R	ISL-F100-1R	ISL-F100-5R
6"/150mm	ISL-F150-05T	ISL-F150-1T	ISL-F150-5T	ISL-F150-05H	ISL-F150-1H	ISL-F150-5H	ISL-F150-05R	ISL-F150-1R	ISL-F150-5R
8"/200mm	ISL-F200-05T	ISL-F200-1T	ISL-F200-5T	ISL-F200-05H	ISL-F200-1H	ISL-F200-5H	ISL-F200-05R	ISL-F200-1R	ISL-F200-5R
10"/250mm	ISL-F250-05T	ISL-F250-1T	ISL-F250-5T	ISL-F250-05H	ISL-F250-1H	ISL-F250-5H	ISL-F250-05R	ISL-F250-1R	ISL-F250-5R
12"/300mm	ISL-F300-05T	ISL-F300-1T	ISL-F300-5T	ISL-F300-05H	ISL-F300-1H	ISL-F300-5H	ISL-F300-05R	ISL-F300-1R	ISL-F300-5R
14"/350mm	ISL-F350-05T	ISL-F350-1T	ISL-F350-5T	ISL-F350-05H	ISL-F350-1H	ISL-F350-5H	ISL-F350-05R	ISL-F350-1R	ISL-F350-5R
16"/400mm	ISL-F400-05T	ISL-F400-1T	ISL-F400-5T	ISL-F400-05H	ISL-F400-1H	ISL-F400-5H	ISL-F400-05R	ISL-F400-1R	ISL-F400-5R
18"/450mm	ISL-F450-05T	ISL-F450-1T	ISL-F450-5T	ISL-F450-05H	ISL-F450-1H	ISL-F450-5H	ISL-F450-05R	ISL-F450-1R	ISL-F450-5R
20"/500mm	ISL-F500-05T	ISL-F500-1T	ISL-F500-5T	ISL-F500-05H	ISL-F500-1H	ISL-F500-5H	ISL-F500-05R	ISL-F500-1R	ISL-F500-5R
22"/550mm	ISL-F550-05T	ISL-F550-1T	ISL-F550-5T	ISL-F550-05H	ISL-F550-1H	ISL-F550-5H	ISL-F550-05R	ISL-F550-1R	ISL-F550-5R
24"/600mm	ISL-F600-05T	ISL-F600-1T	ISL-F600-5T	ISL-F600-05H	ISL-F600-1H	ISL-F600-5H	ISL-F600-05R	ISL-F600-1R	ISL-F600-5R
26"/650mm	ISL-F650-05T	ISL-F650-1T	ISL-F650-5T	ISL-F650-05H	ISL-F650-1H	ISL-F650-5H	ISL-F650-05R	ISL-F650-1R	ISL-F650-5R
28"/700mm	ISL-F700-05T	ISL-F700-1T	ISL-F700-5T	ISL-F700-05H	ISL-F700-1H	ISL-F700-5H	ISL-F700-05R	ISL-F700-1R	ISL-F700-5R
30"/750mm	ISL-F750-05T	ISL-F750-1T	ISL-F750-5T	ISL-F750-05H	ISL-F750-1H	ISL-F750-5H	ISL-F750-05R	ISL-F750-1R	ISL-F750-5R
32"/800mm	ISL-F800-05T	ISL-F800-1T	ISL-F800-5T	ISL-F800-05H	ISL-F800-1H	ISL-F800-5H	ISL-F800-05R	ISL-F800-1R	ISL-F800-5R
34"/850mm	ISL-F850-05T	ISL-F850-1T	ISL-F850-5T	ISL-F850-05H	ISL-F850-1H	ISL-F850-5H	ISL-F850-05R	ISL-F850-1R	ISL-F850-5R
36"/900mm	ISL-F900-05T	ISL-F900-1T	ISL-F900-5T	ISL-F900-05H	ISL-F900-1H	ISL-F900-5H	ISL-F900-05R	ISL-F900-1R	ISL-F900-5R
38"/950mm	ISL-F950-05T	ISL-F950-1T	ISL-F950-5T	ISL-F950-05H	ISL-F950-1H	ISL-F950-5H	ISL-F950-05R	ISL-F950-1R	ISL-F950-5R
40"/1000mm	ISL-F1000-05T	ISL-F1000-1T	ISL-F1000-5T	ISL-F1000-05H	ISL-F1000-1H	ISL-F1000-5H	ISL-F1000-05R	ISL-F1000-1R	ISL-F1000-5R

Series ISL-G (thick type)

Effective length (L)	Part No.								
	Output signal TTL***			Output signal HTL***			Output signal RS422***		
	Resolution 20µin	Resolution 40µin	Resolution 200µin	Resolution 20µin	Resolution 40µin	Resolution 200µin	Resolution 20µin	Resolution 40µin	Resolution 200µin
2"/50mm	ISL-G50-05T	ISL-G50-1T	ISL-G50-5T	ISL-G50-05H	ISL-G50-1H	ISL-G50-5H	ISL-G50-05R	ISL-G50-1R	ISL-G50-5R
4"/100mm	ISL-G100-05T	ISL-G100-1T	ISL-G100-5T	ISL-G100-05H	ISL-G100-1H	ISL-G100-5H	ISL-G100-05R	ISL-G100-1R	ISL-G100-5R
6"/150mm	ISL-G150-05T	ISL-G150-1T	ISL-G150-5T	ISL-G150-05H	ISL-G150-1H	ISL-G150-5H	ISL-G150-05R	ISL-G150-1R	ISL-G150-5R
8"/200mm	ISL-G200-05T	ISL-G200-1T	ISL-G200-5T	ISL-G200-05H	ISL-G200-1H	ISL-G200-5H	ISL-G200-05R	ISL-G200-1R	ISL-G200-5R
10"/250mm	ISL-G250-05T	ISL-G250-1T	ISL-G250-5T	ISL-G250-05H	ISL-G250-1H	ISL-G250-5H	ISL-G250-05R	ISL-G250-1R	ISL-G250-5R
12"/300mm	ISL-G300-05T	ISL-G300-1T	ISL-G300-5T	ISL-G300-05H	ISL-G300-1H	ISL-G300-5H	ISL-G300-05R	ISL-G300-1R	ISL-G300-5R
14"/350mm	ISL-G350-05T	ISL-G350-1T	ISL-G350-5T	ISL-G350-05H	ISL-G350-1H	ISL-G350-5H	ISL-G350-05R	ISL-G350-1R	ISL-G350-5R
16"/400mm	ISL-G400-05T	ISL-G400-1T	ISL-G400-5T	ISL-G400-05H	ISL-G400-1H	ISL-G400-5H	ISL-G400-05R	ISL-G400-1R	ISL-G400-5R
18"/450mm	ISL-G450-05T	ISL-G450-1T	ISL-G450-5T	ISL-G450-05H	ISL-G450-1H	ISL-G450-5H	ISL-G450-05R	ISL-G450-1R	ISL-G450-5R
20"/500mm	ISL-G500-05T	ISL-G500-1T	ISL-G500-5T	ISL-G500-05H	ISL-G500-1H	ISL-G500-5H	ISL-G500-05R	ISL-G500-1R	ISL-G500-5R
22"/550mm	ISL-G550-05T	ISL-G550-1T	ISL-G550-5T	ISL-G550-05H	ISL-G550-1H	ISL-G550-5H	ISL-G550-05R	ISL-G550-1R	ISL-F550-5R
24"/600mm	ISL-G600-05T	ISL-G600-1T	ISL-G600-5T	ISL-G600-05H	ISL-G600-1H	ISL-G600-5H	ISL-G600-05R	ISL-G600-1R	ISL-G600-5R
26"/650mm	ISL-G650-05T	ISL-G650-1T	ISL-G650-5T	ISL-G650-05H	ISL-G650-1H	ISL-G650-5H	ISL-G650-05R	ISL-G650-1R	ISL-G650-5R
28"/700mm	ISL-G700-05T	ISL-G700-1T	ISL-G700-5T	ISL-G700-05H	ISL-G700-1H	ISL-G700-5H	ISL-G700-05R	ISL-G700-1R	ISL-G700-5R
30"/750mm	ISL-G750-05T	ISL-G750-1T	ISL-G750-5T	ISL-G750-05H	ISL-G750-1H	ISL-G750-5H	ISL-G750-05R	ISL-G750-1R	ISL-G750-5R
32"/800mm	ISL-G800-05T	ISL-G800-1T	ISL-G800-5T	ISL-G800-05H	ISL-G800-1H	ISL-G800-5H	ISL-G800-05R	ISL-G800-1R	ISL-G800-5R
34"/850mm	ISL-G850-05T	ISL-G850-1T	ISL-G850-5T	ISL-G850-05H	ISL-G850-1H	ISL-G850-5H	ISL-G850-05R	ISL-G850-1R	ISL-G850-5R
36"/900mm	ISL-G900-05T	ISL-G900-1T	ISL-G900-5T	ISL-G900-05H	ISL-G900-1H	ISL-G900-5H	ISL-G900-05R	ISL-G900-1R	ISL-G900-5R
38"/950mm	ISL-G950-05T	ISL-G950-1T	ISL-G950-5T	ISL-G950-05H	ISL-G950-1H	ISL-G950-5H	ISL-G950-05R	ISL-G950-1R	ISL-G950-5R
40"/1000mm	ISL-G1000-05T	ISL-G1000-1T	ISL-G1000-5T	ISL-G1000-05H	ISL-G1000-1H	ISL-G1000-5H	ISL-G1000-05R	ISL-G1000-1R	ISL-G1000-5R
44"/1100mm	ISL-G1100-05T	ISL-G1100-1T	ISL-G1100-5T	ISL-G1100-05H	ISL-G1100-1H	ISL-G1100-5H	ISL-G1100-05R	ISL-G1100-1R	ISL-G1100-5R
48"/1200mm	ISL-G1200-05T	ISL-G1200-1T	ISL-G1200-5T	ISL-G1200-05H	ISL-G1200-1H	ISL-G1200-5H	ISL-G1200-05R	ISL-G1200-1R	ISL-G1200-5R
52"/1300mm	ISL-G1300-05T	ISL-G1300-1T	ISL-G1300-5T	ISL-G1300-05H	ISL-G1300-1H	ISL-G1300-5H	ISL-G1300-05R	ISL-G1300-1R	ISL-G1300-5R
56"/1400mm	ISL-G1400-05T	ISL-G1400-1T	ISL-G1400-5T	ISL-G1400-05H	ISL-G1400-1H	ISL-G1400-5H	ISL-G1400-05R	ISL-G1400-1R	ISL-G1400-5R
60"/1500mm	ISL-G1500-05T	ISL-G1500-1T	ISL-G1500-5T	ISL-G1500-05H	ISL-G1500-1H	ISL-G1500-5H	ISL-G1500-05R	ISL-G1500-1R	ISL-G1500-5R
64"/1600mm	ISL-G1600-05T	ISL-G1600-1T	ISL-G1600-5T	ISL-G1600-05H	ISL-G1600-1H	ISL-G1600-5H	ISL-G1600-05R	ISL-G1600-1R	ISL-G1600-5R
68"/1700mm	ISL-G1700-05T	ISL-G1700-1T	ISL-G1700-5T	ISL-G1700-05H	ISL-G1700-1H	ISL-G1700-5H	ISL-G1700-05R	ISL-G1700-1R	ISL-G1700-5R
72"/1800mm	ISL-G1800-05T	ISL-G1800-1T	ISL-G1800-5T	ISL-G1800-05H	ISL-G1800-1H	ISL-G1800-5H	ISL-G1800-05R	ISL-G1800-1R	ISL-G1800-5R
76"/1900mm	ISL-G1900-05T	ISL-G1900-1T	ISL-G1900-5T	ISL-G1900-05H	ISL-G1900-1H	ISL-G1900-5H	ISL-G1900-05R	ISL-G1900-1R	ISL-G1900-5R
80"/2000mm	ISL-G2000-05T	ISL-G2000-1T	ISL-G2000-5T	ISL-G2000-05H	ISL-G2000-1H	ISL-G2000-5H	ISL-G2000-05R	ISL-G2000-1R	ISL-G2000-5R
84"/2100mm	ISL-G2100-05T	ISL-G2100-1T	ISL-G2100-5T	ISL-G2100-05H	ISL-G2100-1H	ISL-G2100-5H	ISL-G2100-05R	ISL-G2100-1R	ISL-G2100-5R
88"/2200mm	ISL-G2200-05T	ISL-G2200-1T	ISL-G2200-5T	ISL-G2200-05H	ISL-G2200-1H	ISL-G2200-5H	ISL-G2200-05R	ISL-G2200-1R	ISL-G2200-5R
92"/2300mm	ISL-G2300-05T	ISL-G2300-1T	ISL-G2300-5T	ISL-G2300-05H	ISL-G2300-1H	ISL-G2300-5H	ISL-G2300-05R	ISL-G2300-1R	ISL-G2300-5R
96"/2400mm	ISL-G2400-05T	ISL-G2400-1T	ISL-G2400-5T	ISL-G2400-05H	ISL-G2400-1H	ISL-G2400-5H	ISL-G2400-05R	ISL-G2400-1R	ISL-G2400-5R
100"/2500mm	ISL-G2500-05T	ISL-G2500-1T	ISL-G2500-5T	ISL-G2500-05H	ISL-G2500-1H	ISL-G2500-5H	ISL-G2500-05R	ISL-G2500-1R	ISL-G2500-5R
104"/2600mm	ISL-G2600-05T	ISL-G2600-1T	ISL-G2600-5T	ISL-G2600-05H	ISL-G2600-1H	ISL-G2600-5H	ISL-G2600-05R	ISL-G2600-1R	ISL-G2600-5R
108"/2700mm	ISL-G2700-05T	ISL-G2700-1T	ISL-G2700-5T	ISL-G2700-05H	ISL-G2700-1H	ISL-G2700-5H	ISL-G2700-05R	ISL-G2700-1R	ISL-G2700-5R
112"/2800mm	ISL-G2800-05T	ISL-G2800-1T	ISL-G2800-5T	ISL-G2800-05H	ISL-G2800-1H	ISL-G2800-5H	ISL-G2800-05R	ISL-G2800-1R	ISL-G2800-5R
116"/2900mm	ISL-G2900-05T	ISL-G2900-1T	ISL-G2900-5T	ISL-G2900-05H	ISL-G2900-1H	ISL-G2900-5H	ISL-G2900-05R	ISL-G2900-1R	ISL-G2900-5R
120"/3000mm	ISL-G3000-05T	ISL-G3000-1T	ISL-G3000-5T	ISL-G3000-05H	ISL-G3000-1H	ISL-G3000-5H	ISL-G3000-05R	ISL-G3000-1R	ISL-G3000-5R