

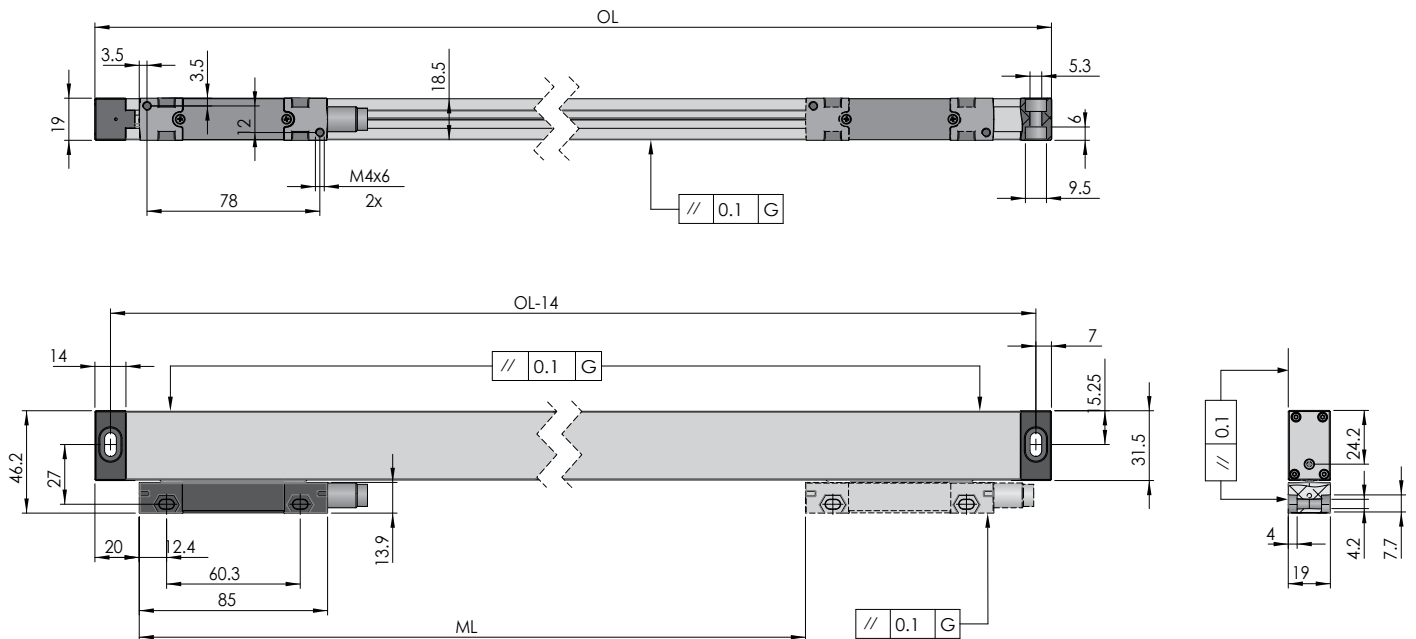
Linear Encoders

incremental

LE series



- 20 um Graduated Glass
- Resolutions down to 1 um
- Measuring length up to 1,100mm
- End point mounting
- Recommended for small Manually Operated Machines



OL = Overall Length
 ML = Measuring Length
 G = Machine guideway

ML 75 to 150: OL= ML+126
 ML 200 to 450: OL= ML+131
 ML 500 to 750: OL= ML+136
 ML 800 to 1100: OL= ML+141

	LE 50	LE 10
Graduation period	20 µm	
Resolution/measuring step	5.0 µm	1.0 µm
Available measuring lengths	75, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 900, 1000, 1100	
Output Signal	TTL/RS422	
Max. output frequency	≥ 50 kHz	≥ 250 kHz
Max. mechanical speed	1 m/s	
Accuracy grade	5 µm/meter	
Reference mark	Periodic* (@ 40mm spacing) or Distance Coded	
Supply voltage	5 V ± 5%	
Supply current (without load)	≤ 80 mA	
Outlet type	Armored Cable	
Max. cable length	100 m	
Environmental protection	IP53 (IEC 60529), IP64 with optional air inlet	
Operating temperature range	-0°C...+50°C	
Storage temperature range	-20°C...+70°C	
Humidity	98% (non-condensing)	
Vibration (55 ÷ 2000 Hz)	≤ 100 m/s ² (IEC 60068-2-6)	
Shock (6 ms)	≤ 300 m/s ² (IEC 60068-2-27)	
Weight (without cable)	0.4kg + 0.7 kg per meter of measuring length	
Required moving force	≤ 4 N	

*Not recommended for new designs

How to Order	example: LE50-750D	
LE 50	-XXX	X
Model	Measuring Length	Reference Mark
<ul style="list-style-type: none"> • LE50 • LE10 	<ul style="list-style-type: none"> • 75, 100, 125, 150, 200, 250, 300, ... 	<ul style="list-style-type: none"> • P - periodic • D - distance coded