

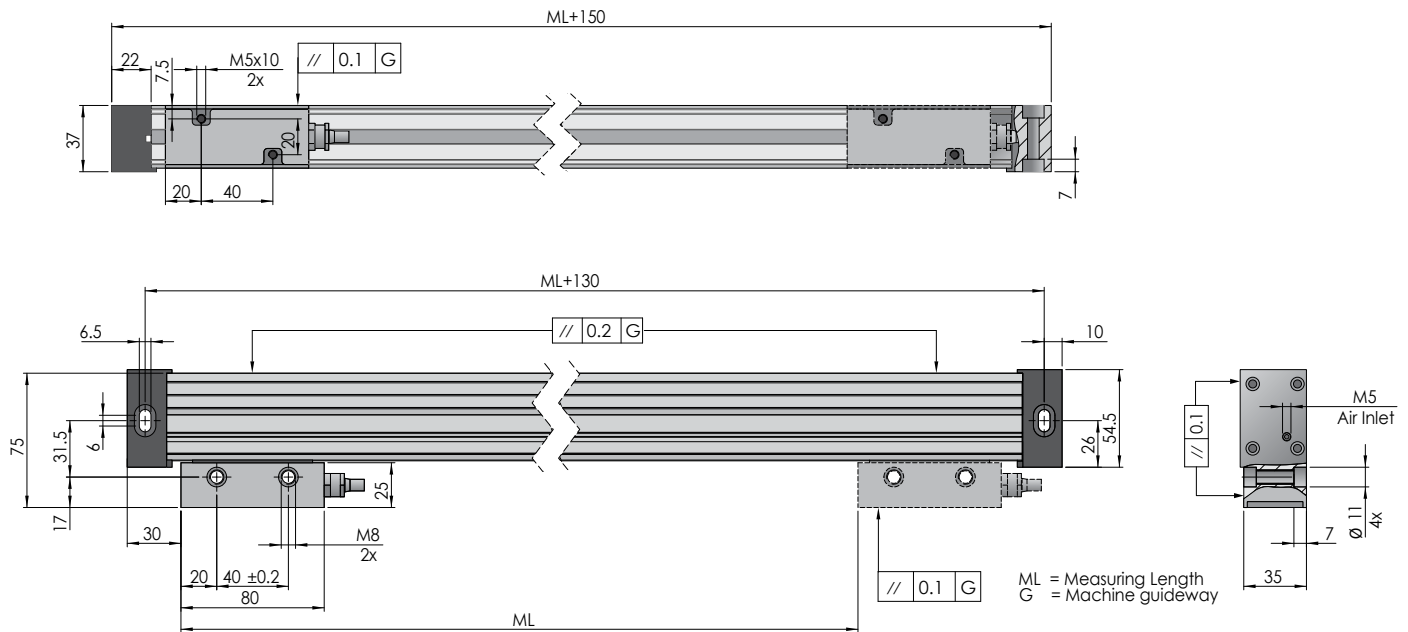
LT 20 series

- 20 um Graduated Glass
- Resolutions down to 0.5um
- Measuring length up to 3,040mm
- End+intermediate mounting points



Compatible with:

- Heidenhain LS 600 Series - LS 603, LS 623, LS 628, LS 688
- Fagor C Series



LT 20 series

	LT 2001	LT 2002	LT 2005	LT 2010	LT 2000	LT 2011
Graduation period	20 µm					
Resolution/measuring step	5 µm	2.5 µm	1 µm	0.5µm	depends on external circuitry	depends on external circuitry
Available measuring lengths	220, 270, 320, 370, 420, 470, 520, 620, 720, 770, 820, 920, 1020, 1140, 1240, 1340, 1440, 1540, 1640, 1740, 1840, 1940, 2040, 2240, 2440, 2640, 2840, 3040					
Output Signal	TTL/RS422				1 Vpp	11 µA
Max. output frequency	≥ 50 kHz	≥ 100 kHz	≥ 250 kHz	≥ 500 kHz	≥ 50 kHz	≥ 50 kHz
Max. mechanical speed	1 m/s					
Accuracy grade	5 µm/meter					
Reference mark	Periodic* (@ 50mm spacing) or Distance Coded					
Supply voltage	5 V ± 5%					
Supply current (without load)	≤ 120 mA					
Outlet type	Cable					
Max. cable length	100 m				150 m	5/25**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)	≤ 150 m/s ² (IEC 60068-2-6)					
Shock (6 ms)	≤ 300 m/s ² (IEC 60068-2-27)					
Weight (without cable)	0.5kg + 2.7 kg per meter of measuring length					
Required moving force	≤ 5 N					

*Not recommended for new designs

**combined length from encoder to interpolator box and from the interpolator to controller

How to Order <i>example: LT2011-320P</i>		
LT 20XX	-XXXX	X
Model	Measuring Length	Reference Mark
<ul style="list-style-type: none"> • LT2000 • LT2001 • LT2002 • LT2005 • ... 	<ul style="list-style-type: none"> • 220,270, 320, 370 ... 	<ul style="list-style-type: none"> • P - periodic • D - distance coded