



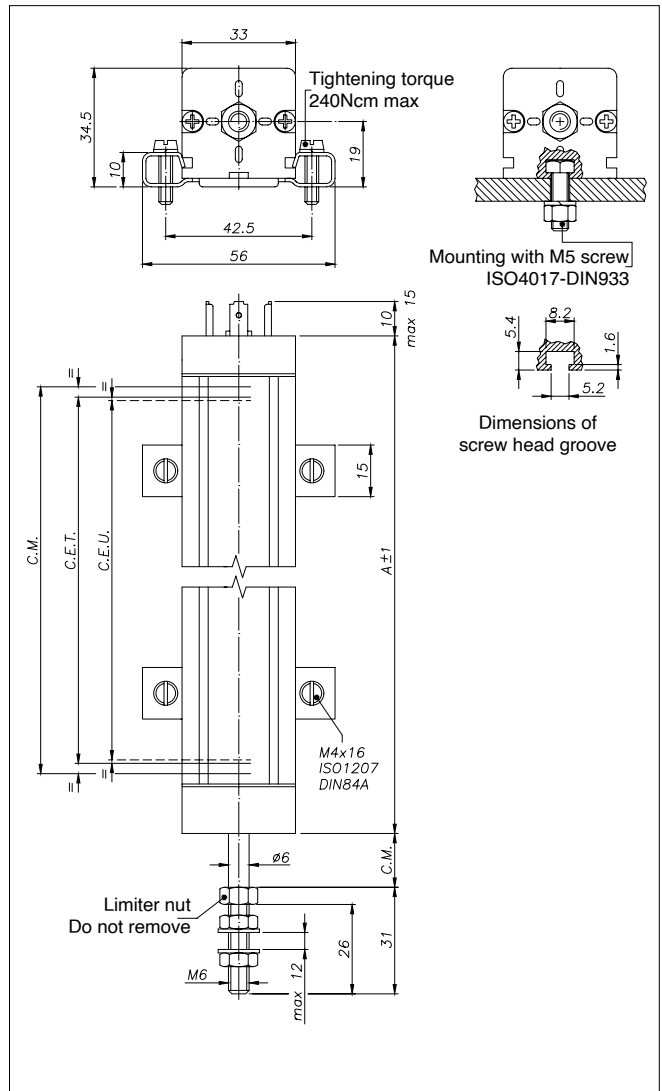
Main features

- The transducer has been improved in order to guarantee greater reliability under all conditions
- A sturdier structure makes the LT series even stronger for applications with heavy vibration
- Installation is made simpler by the absence of electrical signal variation in output, outside the Theoretical Electrical Stroke
- The new grooves provide an excellent alternative to the usual system of fastening with brackets
- Ideal for applications on plastic injection presses, vertical presses, and on many other processing machines

TECHNICAL DATA

Useful electrical stroke (C.E.U.)	from 50 to 1350 mm (for intermediate strokes see table "Electrical / Mechanical Data")
Independent linearity (within C.E.U.)	± 0.05%
Resolution	Infinite
Repeatability	0.01 mm
Electrical connections	LTM 4-pole connector DIN43650 LTH 3-pole connector LTB 5-pole connector DIN43322 LTF 1 meter 3-pole shielded cable
Displacement speed	Standard ≤ 10 m/s
Protection level	IP60 (IP65 on request)
Life	> 25x10 ⁶ m strokes, or > 100x10 ⁶ maneuvers, whichever is less (within C.E.U.)
Displacement force	3,5N (typical) IP60 version 15N (typical) IP65 version
Vibrations	5...2000Hz, A _{max} = 0.75 mm a _{max} = 20 g
Shock	50 g, 11ms.
Acceleration	200 m/s ² max (20g)
Tolerance on resistance	± 20%
Recommended cursor current	< 0.1 μA
Maximum cursor current	10mA
Maximum applicable voltage	60V
Electrical isolation	>100MΩ at 500V=, 1bar, 2s
Dielectric strength	< 100μA at 500V~, 50Hz, 2s, 1bar
Dissipation at 40°C (0W at 120°C)	3W
Actual Temperature Coefficient of the output voltage	≤ 5 ppm/°C typical
Working temperature	-30...+100°C
Storage temperature	-50...+120°C
Material for transducer case	Anodised aluminium Nylon 66 G
Material for pull shaft	Stainless steel AISI 303
Mounting	Brackets with adjustable distance between centers or with M5 screw ISO4017-DIN933

MECHANICAL DIMENSIONS



Important: all the data reported in the catalogue linearity, lifetime, temperature coefficient are valid for a sensor utilization as a ratiometric device with a max current across the cursor $I_c \leq 0.1 \mu A$

