



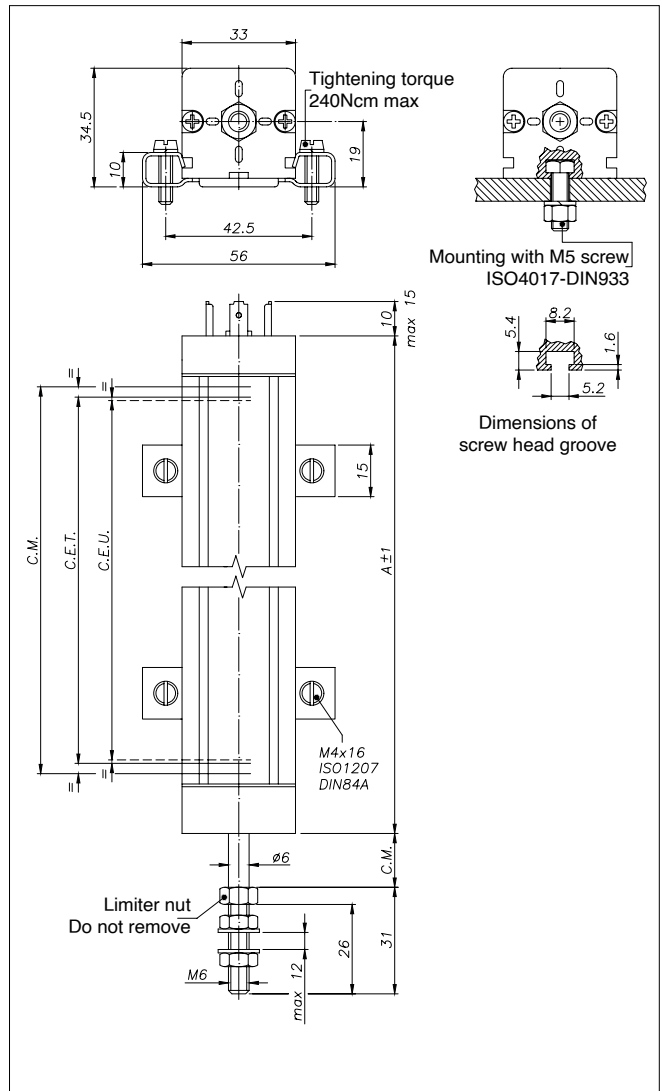
Main features

- 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 $I_c \leq 0.1 \mu A$

