# IMT/EDT5B (4-20mA)

## Standard Series DC LVDT With Plain Core

INNOVATIVE MEASUREMENT TECHNOLOGY LTD.

### Main Features

- Stainless steel construction
- Body diameter Ø22.2mm
- Magnetically shielded
- Radial exit
- ±2.5mm stroke
- 4-20mA output
- Plain core
- Sealed to IP55
- 3 core, 2m PVC cable

### Technical Specification

| | |
|---|---|
| Product Code | 130035/05 |
| Body Diameter | Ø22.2mm |
| Stroke | ±2.5mm |
| Input Voltage | 14-24 VDC |
| Output | 4-20mA (20mA fully in) |
| Non-Linearity | ±0.5% of full range, (higher specification can be achieved at extra cost) |
| Repeatability | Better than 0.1% |
| Resolution | Infinite (dependent on measuring instrument) |
| Frequency Response | 3dB @ 180Hz |
| Vibration Resistance | 20g up to 2kHz |
| Shock Resistance | 1000g for 10 milliseconds |
| Insulation Resistance | Above 10MΩ at 500VDC (between wires and case) |
| Dielectric Strength | 500V RMS for one minute (between wires and case) |
| Magnetic Shielding | Internal magnetic shielding |
| Construction Material | Stainless steel |
| Sealing | IP55 |

# IMT/EDT5B (4-20mA)

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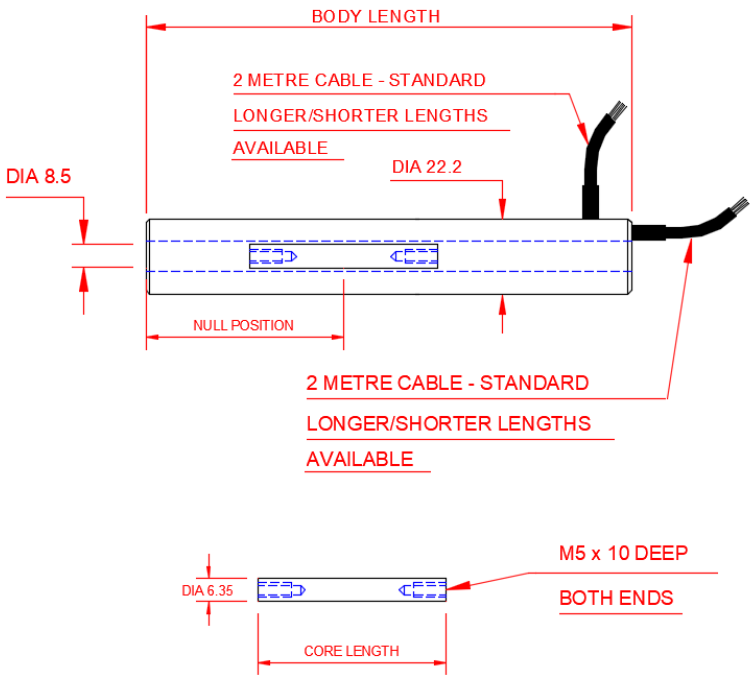
## Dimensions

***If in doubt - ASK***




| STROKE (mm) | BODY LENGTH (mm) | CORE LENGTH (mm) | NULL POSITION (mm) |
|---|---|---|---|
| +/-550 | 1400 | 190 | 673 |
| +/-500 | 1400 | 314 | 673 |
| +/-400 | 1150 | 250 | 547 |
| +/-300 | 900 | 185 | 407 |
| +/-250 | 800 | 170 | 351 |
| +/-200 | 678 | 185 | 309 |
| +/-175 | 613 | 160 | 267 |
| +/-150 | 562 | 185 | 253 |
| +/-125 | 485 | 152 | 211 |
| +/-100 | 427 | 140 | 183 |
| +/-75 | 370 | 138 | 159 |
| +/-50 | 296 | 115 | 124 |
| +/-25 | 210 | 76 | 82 |
| +/-15 | 170 | 50 | 61 |
| +/-12.5 | 142 | 35 | 47 |
| +/-10 | 130 | 35 | 40 |
| +/-5 | 123 | 29 | 33 |
| +/-2.5 | 85 | 14 | 18.8 |
| +/-0.5 | 82 | 14 | 15.3 |