



# LVDT

From M/s Solartron Uk

## Product Description

We offer a large range of displacement sensors to suit multiple applications with different cable outlets (radial or axial), multiple measuring ranges, and different cable types like steel braided which provides additional protection for displacement sensors that are being used in harsh environments.

Attention to detail in both design and manufacture of the displacement sensor ensures precision measurement throughout the linear displacement transducer's life.

Another benefit of the digital displacement sensor (Gauge probe) is the probe requires no setup or adjustment with conditioning electronics like a traditional LVDT because the digital displacement sensor provides a precision measurement straight out of the box.

## Product Applications

- Steering and Suspension component measurements
- Transmission Measurements
- Regenerative Breaking System
- Camshaft bearing alignment.
- Distortion and Axle bending
- Suspension travel



# TSM

## Performance<sup>1</sup>

|                                |  |
|--------------------------------|--|
| Measurement Range              | 0.5-30mm                                       |
| Accuracy                       | 0.1% of the Reading scale                      |
| Repeatability                  | 0.5µm  |
| Resolution                     | 0.2µm  |
| Pre-Travel                     | 0.15mm   |
| Post Travel                    | 0.85mm   |
| Temperature coefficient %FS/°C | 0.03   |
| Environmental Sealing          | IP65 and IP50                                  |
| Operating Temperature Range    | -10°C to+80°C                                  |
| Probe Body                     | Stainless Steel                                |
| Probe Tip                      | Nylon, Ruby, Silicon Nitride, Tungsten Carbide |
| Power                          | 5±0.25 VDC @0.06A typical                      |

