



DSP

Product code: Solartron DSP

Manufacturer: Solartron

New from Solartron Metrology displacement **sensors with short body lengths** enabling these gauge probes to be mounted in locations where standard displacement sensors will not fit. Considerably shorter than standard digital displacement sensors and much shorter than conventional LVDT sensors, the short range of digital displacement sensors (DSP) still **maintain all of the advantages of LVDT sensors while providing superior performance.**

Like all Solartron digital displacement transducers the short DSP range is **fully compatible with the Orbit Digital Measurement Network** making integration of multiple displacement sensors and displacement transducers simple. Data can be read and processed using Solartron readouts or Gauge Computer Software which incorporates basic SPC.

For Spring Push Probes, DSP/X/S, like a conventional LVDT the displacement probe tip is pushed out using an internal spring. The precision bearings inside the digital displacement sensor ensure precise positioning of the contact sensor tip. At the same time the unique bearing design provides repeatable measurements even when the displacement transducer is subjected to mechanical side loads.

| | |
|---|----------------------|
| Accuracy | > 0,1 μm |
| Measurement range | 2, 4 e 5mm |
| Repeatability (μm) | > 0,05 μm |
| Resolution (μm) | > 0,01 μm |