



## SM1

**Product code:** SM1

**Manufacturer:** Solartron

SM transducers cover two standard linear ranges from  $\pm 1$  mm to  $\pm 3$  mm. They are designed for measuring displacement in applications where infinite resolution and repeatability are required in a very small size.

The coils are wound on a PPS (40% GL) former and housed in a stainless steel case. The epoxy bonded construction makes the device suitable for operation in wet or oil environments and in applications with high levels of mechanical stress.

The core and push rod assembly moves friction-free within the sensor, an alternative design is available where only the core, threaded at both ends, is provided. Recommended push rod material is titanium. Other materials can be used, but varying effects on the electrical characteristics.

- Rugged construction;
- Short body length;
- Good performance;