

# LINEAR DISPLACEMENT TRANSDUCERS





## Instructions for Use

**Mounting Position** Most types are suitable for mounting in any attitude.

Cable Outlet Axial, all types (Radial option AG/AX series).

Environmental All types are potted in and assembled with epoxy resin cements, Protection to provide a device suitable for use in most humid conditions.

to provide a device suitable for use in most humid conditions. Only the sealed types (SDF, SDCR, SAF and SACR) are intended

for complete immersion.

All gauging transducers are designed to meet IP65.

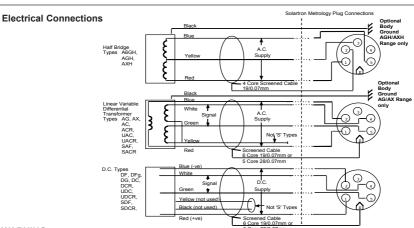
#### **Special Features of Gauging Transducers**

These have a non rotating (2° maximum) spring return actuator running in a precision linear ball bearing. This arrangement provides a repeatability of measurement of better than 0.15 micron.

A flexible viton gaiter protects the bearing, permitting operation in slurries, cutting oils and most degreasing agents.

All gauging types are fitted with a 3 mm dia tungsten carbide ball end. The ball is normally carried in a removable stylus which is mounted in an M2.5 x 6 mm deep female thread at the end of the actuator.

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### WARNING

The DC Transducers are not suitable for use with power supplies that generate transients. Care should be taken with this type of (switch mode) supply.