



**Solartron
Metrology**

**SCIENCE
GATE**
Your Automation Partner



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LINEAR DISPLACEMENT TRANSDUCERS



user leaflet

AMETEK[®]
ULTRA PRECISION TECHNOLOGIES

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 Protection** All types are potted in and assembled with epoxy resin cements, 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

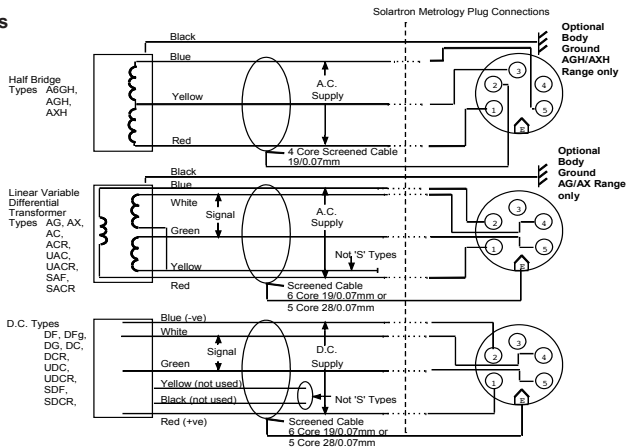
These have a non rotating (2° maximum) spring return actuator running in a precision linear ball bearing. This arrangement provides a repeatability of measurement of better than 0.15 micron.

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.

Instructions for Use

Electrical Connections



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.