



## Submersible Load Transducer Assembly 10kN Capacity In Compression.

Code: [27-1575](#)

Product Group: [Load Measurement, Load Measurement](#)

- Eliminates effects of piston friction on readings
- Unaffected by cell confining pressures
- Easily installed in triaxial cell
- Supplied complete with calibration certificate and 5-pin DIN type connector for use with GDU

Submersible Load Transducers are used to measure accurately the axial loads applied to triaxial test specimens. Consisting of a load cell and piston assembly these units replace the standard triaxial cell loading piston. A major advantage is that these transducers measure loads directly on top of the specimen. All transducers are supplied complete with a 5-pin DIN type connector and calibration certificate.

## Specification

|                               |   |
|-------------------------------|---|
| Dimensions                    | 76 x 50 mm (dia x h) excluding piston and adaptor |
| Overload capacity             | 150%  |
| Output                        | 27 mv full range                                  |
| Excitation                    | 11 V DC (15 V DC max)                             |
| Non-linearity                 | 0.1% maximum                                      |
| Hysteresis Deflection         | 0.1% maximum 0.05 mm at full load                 |
| Side force                    | 50% full scale maximum without effect             |
| Connector                     | 5-pin DIN plug                                    |
| Compensated temperature range | 1 to 50°C   |
| Weight g                      | 850   |

## Accessories



## Distance Piece Stainless Steel for Use with Submersible Load Cells and Axial Strain Transducers.

Code: [27-1293](#)



## Submersible Load Transducer Assembly 5kN Capacity In Compression.

Code: [27-1573](#)

### Alternatives



## Distance Piece Stainless Steel for Use with Submersible Load Cells and Axial Strain Transducers.

Code: [27-1293](#)



## Submersible Load Transducer Assembly 5kN Capacity In Compression.

Code: [27-1573](#)