



Submersible Load Transducer Assembly 5kN Capacity In Compression.

Code: [27-1573](#)

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

- 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	75 x 50 mm (dia x h) excluding piston and adaptor
Overload capacity	150%
Output	26 mv full range
Excitation	10 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	0 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 10kN Capacity In Compression.

Code: [27-1575](#)



Transducer Extension Cable 3.0 m

Code: [27-1717](#)



Transducer Extension Cable 4.5 m

Code: [27-1719](#)

Alternatives



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

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