













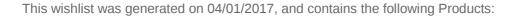




## IF IT'S WORTH BUILDING, IT'S WORTH TESTING

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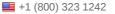
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### Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: 27-1689

Product Group: Displacement Transducers, Measurement of Horizontal and Vertical Movement, Displacement Measurement

0 to 10 mm range. For use with Direct/Residual Shear Machines. •Ideally suited for use with GDU for accurate displacement measurements

Models available for use in consolidation, shear, CBR and triaxial test applications
Supplied complete with mounting hardware for specified products

Displacement Transducers are used in consolidation, shear, CBR and triaxial test applications for accuratevdisplacement measurements. They are supplied complete with a 5-pin DIN type connector for direct connection to the GDU.

#### Specification

Construction

Excitation Connector Mounting bracket Weight kg Construction

Excitation Connector Mounting Bracket Weight

### Accessories

Fully encapsulated electronics, sealed in a stainless steel case 12 V DC 5-pin DIN type Included as standard 0.45 Fully encapsulated electronics, sealed in a stainless steel case. 10vDC. 5-Pin DIN type. Included as standard. Net 1 lb. (0.45 kg).





# Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

Code: 27-1617



Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: 27-1697

### Spares/Consumables



**CBR Displacement Transducer** 

Code: 27-1706

### Alternatives



# Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

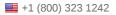








Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar





### Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: 27-1697

Product Group: Displacement Transducers, Measurement of Horizontal and Vertical Movement, Displacement Measurement

Ideally suited for use with GDU for accurate displacement measurements
Models available for use in consolidation, shear, CBR and triaxial test applications
Supplied complete with mounting hardware for specified products

Displacement Transducers are used in consolidation, shear, CBR and triaxial test applications for accuratevdisplacement measurements. They are supplied complete with a 5-pin DIN type connector for direct connection to the GDU.

### Specification

Construction

Excitation Connector Mounting bracket Weight kg Construction

Excitation Connector Mounting Bracket Weight Fully encapsulated electronics, sealed in a stainless steel case 13 V DC 5-pin DIN type Included as standard 0.45 Fully encapsulated electronics, sealed in a stainless steel case. 10vDC. 5-Pin DIN type. Included as standard. Net 1 lb. (0.45 kg).

### Accessories



# Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.





### Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: 27-1689

### **Spares/Consumables**



**CBR Displacement Transducer** 

Code: 27-1706

### Alternatives



Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

Code: 27-1617



Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box





# GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

Code: 27-1500/01

Product Group: Data Logging with the GDU, Geotechnical Data Acquisition Unit (GDU), Automatic Data Acquisition - CBR, Automatic Data Acquisition -Triaxial, Automatic Data Acquisition - Consolidation, Automatic Data Acquisition - Direct Shear

The GDU is a stand-alone, multi-tasking, multi-channel data logger, that is reliable and powerful, enabling it to co-ordinate test data from the range of ELE transducers required for various test methods.

The ELE Geotechnical Software package (DS7.1), in conjunction with the GDU and a range of transducers, are the two central components required to create a modern turnkey soil testing system. Being fully modular it can be adapted to a wide range of soil testing laboratory configurations.

For performing CBR, Consolidation, Direct/Residual Shear and Total & Effective Stress Triaxial tests
8 Channels expandable to 32 for performing multiple, concurrent tests for cost savings
Independent signal conditioning on each channel to maintain data accuracy

Field-upgradeable software, meaning no downtime for future software and functionality upgrades
Extended warranty.

## Specification

Case

Sockets Input Range Transducer Supply Dimensions

Weight

Aluminum, free standing; houses power supply, analog to digital conversion module and an 8-channel analog input module with transducer energization. Standard 5-pin DIN type.  $\pm$  5 volts to  $\pm$  10 mV full scale. 10vDC. 12.8" w. x 14.3" d. x 6.1" h. (325 x 363 x 155 mm). Net 14.08 lbs. (6.4 kg).

### Accessories









## 8-Channel Expansion Analog Input Module

Code: 27-1505



### **USB to Serial Adapter**

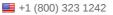
Code: 27-1701

### Alternatives



### GDU 8 Channel Data Acquisition Unit 100-120 V 60 Hz

Code: 27-1500/02





### DS7.2 Direct and Residual Shear Strength Program for Windows 7, 32/64 bit

### Code: 27-1793

Product Group: DS7, DS7.2 Direct/Residual Shear Software, Automatic Data Acquisition - Direct Shear

This unique package provides test options for quick undrained or drained shear tests with the user selectable option of residual testing. Individual test results can be linked together to produce the Coulomb Envelope. Printouts and plots are available for sample description and basic test data such as moisture content, etc. Realtime plots of settlement, shear versus displacement and vertical displacement during shearing is readily available via the PC screen or printer.

