

STR1a

Digital Force Display

For use with TecEquipment's Structures range, this display shows the forces from up to four force sensors on the Structures experiments



- Works with many experiments from TecEquipment's Structures range
- Fits onto the Structures Test Frame (STR1) to give a tidy work area
- Real-time display of each of up to four forces
- Can connect to TecEquipment's Automatic Data Acquisition Unit (STR2000) to automatically measure all four forces at the same time

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- An ISO 9001 certified company

STR1a

Digital Force Display

Description

The Digital Force Display fixes to a Structures Test Frame (STR1, available separately). This keeps the experiments tidy and saves space around the work area. The display measures up to four forces from sensors on many of the experiments in the TecEquipment Structures range.

A four-way selector switch selects the displayed force. The display automatically adjusts its range to the force. Includes an output to the Automatic Data Acquisition Unit (STR2000, available separately). When used with the STR2000, the Digital Force Display outputs all four force signals at the same time to the Structures Software.

Standard Features

- Supplied with installation leaflet
- Five-year warranty
- Made in accordance with the latest European Union directives

Ancillary For:

- Bending Moments In A Beam (STR2)
- Shear Force In A Beam (STR3)
- Bending Stress In A Beam (STR5)
- Torsion Of Circular Sections (STR6)
- Pin Jointed Frameworks (STR8)
- Three-Pinned Arch (STR9)
- Two-Pinned Arch (STR10)
- Fixed Arch (STR11)
- Buckling Of Struts (STR12)
- Continuous And Indeterminate Beam (STR13)
- Plastic Bending Of Beams (STR15)
- Plastic Bending Of Portals (STR16)
- Redundant Truss (STR17)
- Frame Deflections And Reactions (STR18)
- Simple Suspension Bridge (STR19)

Essential Services

Electrical supply:

100 VAC to 240 VAC, 1 A, 50/60 Hz, with earth

Operating Conditions

Operating environment:

Laboratory

Storage temperature range:

-25°C to +55°C (when packed for transport)

Operating temperature range:

+5°C to +40°C

Operating relative humidity range:

80% at temperatures < 31°C decreasing linearly to 50% at 40°C

Specifications

Nett dimensions and weight:

Nett 150 x 140 x 80 mm, 1 kg

Packed dimensions and weight:

Approximately 0.016 m³, 2 kg

Ranges (automatically selected):

0.0 to 20.0 N (0.1 N resolution)

0 to 500 N (1 N resolution)

Display:

Liquid crystal

tradition.

innovation.

integration.

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