



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

Contents

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This wishlist was generated on 08/12/2016, and contains the following Products:

[26-2114/01](#)

Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

Code: 26-2114/01

Product Group: [Direct/Residual Shear Apparatus](#),
[Direct/Residual Shear Apparatus](#)

- Microprocessor control
- Large on-board LCD screen display
- Direct entry via touch sensitive keyboard
- Rapid approach and return to start datum
- Fully variable speed, 0.00001 to 9.99999 mm/minute
- Accepts specimens up to 100 mm square

The ELE Direct Shear Apparatus accepts specimens 60 mm, 100 mm square or 2.5 inches in diameter. The use of a microprocessor controlled drive system and keyboard entry gives the apparatus a wide range of features that include pause and speed reset during test, RS 232C interface, operator programming of speed and control functions, self test diagnostics and many other features. A return to start datum provides a positive means of reversing the shearbox when either preparing for a new test or continuing with residual testing procedures.

Safety forward/reverse travel limit switches are fitted as standard and monitored through the electronics system control.

The electronics are housed in a modern moulded shroud, which includes a large LCD display and keyboard entry. The apparatus is enclosed in a robustly constructed case, has been designed for floor mounting and is supplied complete with carriage, loading hanger and 10:1 lever loading device.

Standards

ASTM D3080, AASHTO T236, BS 1377, EN 1997-2

Further Information

for 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

Sample Size

Accepts either 2.42", 2.5" diam.; 60 mm square samples using accessory shear box assemblies, not included.

Speed Range

Variable in either English or Metric units

Shear Force
Vertical Load

Dimensions

Weight

between 0.000001"
(0.00001 mm) to 0.399999"
(9.99999
mm) per minute.
1,000 lbf. (4.5 kN) maximum.
2,200 lbf. (10.0 kN) using 10:1
lever ratio.
44.7" l. x 12 .6" w. x 49.6" h.
(1,135 x 320 x 1,260 mm).
Net 181 lbs. (82 kg).

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)



Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)



Vertical Dial Indicator, English

Code: [25-0445](#)