



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

Contents

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Automatic Soil Compactor ASTM 110-120V 60Hz 1Ph



Accu-Tek Touch 250 Series 110V/60Hz

Code: 36-0690/02

Product Group: Accu-Tek Touch 250 Series

Standards

ASTM C39, AASHTO T22

Further Information

110vAC, 60 Hz, 1Ø.

Specification

Capacity	250,000 lbf (1,112 kN)
Frame	Upper and lower steel plate sections with four steel uprights, threaded and welded into place; 14 .75" w. x 12 " d. x 37" h. (375 x 305 x 940 mm).
Ram	6-1/8" (155 mm) diameter; 3" (76 mm) travel.
Upper Platen	Swivel seat type; 6-1/4" (159 mm) diameter.
Lower Platen	7" (178 mm) diameter.
Vertical Clearance	12 -1/2" (318 mm); or 14 -1/2" (368 mm) with lower spacer removed - (Upper and Lower platens installed).
Horizontal Clearance	9" (229 mm) between uprights.
Pump	1 h.p. (0.7kw) electro-hydraulic pump mounted within reservoir with overload protection.
Controls	Pump-mounted pressure compensated flow control

	valve with 4-position control lever and adjustable flow valve. Pump On/Off switch.
Display	5.7" (145 mm) touch screen display, incorporating full key pad (QWERTY type); pace deviation bargraph; automatic stress calculation; 2 GB of internal memory for storing thousands of test results; download data to PC via USB or to printer via RS-232 interface.
Range	2,500 to 25 0,000 lbf. (11 .2 to 1,112 kN).
Accuracy	Factory calibrated to within 0.5% of reading - from 1% to 100% of machine capacity.
Overall Dimensions	25 .5" w. x 12 " d. x 45 " h. (648 x 305 x 1,143 mm).
Weight	Net 535 lbs. (243 kg).

Spares/Consumables



Accutek Oil

Code: [9806-0016](#)



Ram Seal

Code: [4699-1316](#)



Accu-Tek Touch 350 Series 110V/60Hz

Code: 36-0735/02

Product Group: Accu-Tek Touch 350 Series

Standards

ASTM C39, AASHTO T22

Further Information

110vAC, 60 Hz, 1Ø.

Specification

Capacity	350,000 lbf (1,555 kN)
Vertical Clearance	19.75" (502 mm) without upper platen assembly from top of lower block
Horizontal Clearance	11.5" (292 mm) between uprights
Ram	7.716" (196 mm) diameter; 2" (50 mm) stroke
Pump	1 h.p (0.7 kw) electro-hydraulic pump mounted within reservoir with overload protection
Controls	Pump-mounted pressure compensated flow control valve with 4-position control lever and adjustable flow valve. Pump on/off switch.
Lower Platen	10" w x 14" d x 1" h (254 x 355 x 25.4 mm)
Display System	5.7" (145 mm) touch screen display, incorporating full key pad (QWERTY type); pace deviation bargraph; automatic stress calculation; 2 GB of

	internal memory for storing thousands of test results; download data to PC via USB or to printer via RS-232 interface.
Range	3,500 to 350,000 lbf (15.5 to 1,555 kN)
Accuracy	Factory calibrated to within 1.0% of reading - from 1% to 100% of machine capacity.
Dimensions	27" w. x 18" d. x 44" h. (686 x 457 x 1,118 mm).
Weight	Net 850 lbs. (385 kg).

Spares/Consumables



Accutek Oil

Code: [9806-0016](#)



Ram Seal

Code: [4699-1316](#)



Accu-Tek Touch 500 Series 110V/60Hz

Code: 36-3095/02

Product Group: Accu-Tek Touch 500 Series

Standards

ASTM C39, AASHTO T22

Further Information

110vAC, 60 Hz, 1Ø.

Specification

Capacity	500,000 lbf (2,224 kN)
Vertical Clearance	19.62" (498 mm) without upper platen assembly from top of lower block
Horizontal Clearance	14" (355 mm) between uprights
Ram	8.75" (222 mm) diameter; 2.5" (64 mm) stroke with overtravel limit switch protection
Pump	1 h.p (0.7 kw) electro-hydraulic pump mounted within reservoir with overload protection
Hydraulic Controls	Pressure compensated flow control valve with 4-position control lever and adjustable flow valve. Pump Start/Stop Push-buttons.
Lower Platen	12" w x 16" d x 2" h (305 x 406 x 50 mm) with scribed concentric circles and lines
Display System	5.7" (145 mm) touch screen display, incorporating full key pad (QWERTY type); pace deviation bargraph; automatic stress calculation; 2 GB of

	internal memory for storing thousands of test results; download data to PC via USB or to printer via RS-232 interface.
Range	5,000 to 500,000 lbf (22.4 to 2,224 kN)
Accuracy	Factory calibrated to within 1.0% of reading - from 1% to 100% of machine capacity
Dimensions	31.25" w x 21" d x 50.75" h (794 x 533 x 1,289 mm)
Weight	Net 1,700lbs (771 kg)

Spares/Consumables



Accuthek Oil

Code: [9806-0016](#)



Ram Seal

Code: [4699-1316](#)



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 110-120V 50/60Hz 1Ph.

Code: 26-2114/02

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

Further Information

for 110 - 120 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 between

Shear Force
Vertical Load

Dimensions

Weight

0.000001"
(0.00001 mm) to 0.399999"
(9.99999 mm) per minute.
1,000 lbf. (4.5 kN) maximum.
2,200 lbf. (1,000 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](#)



Pneumatic Consolidation Apparatus

Code: 25-0560

Product Group: Pneumatic Consolidation Apparatus

32 tsf capacity.

Standards

ASTM D2435, ASTM D4546, AASHTO T216

Specification

Construction	Aluminum cabinet with enamel finish; 1" (25.4 mm) thick aluminum load platform plate; stainless steel vertical rods.
Maximum Load	32 tsf.
Required Air Pressure	123 psi (848 kPa).
Vertical Clearance	8.25" (210 mm).
Horizontal Clearance	7.75" (197 mm).
Maximum Piston Travel	0.5" (12.7 mm).
Dimensions	12" w. x 14.5" d. x 20.5" h. (305 x 368 x 521 mm).
Weight	Net 48 lbs. (21.8 kg).

Spares/Consumables



Electronic Digital Indicator, 0.600"/15 mm range

Code: 88-4210



Versa-Loader

Code: 25-3525/02

Product Group: Versa-Loader, Versa-Loader,
Versa-Loader

Standards

ASTM D1883, ASTM D2850, AASHTO T193, AASHTO T296, AASHTO T208

Further Information

110vAC, 50/60 Hz, 1Ø.

Specification

Capacity	10,000 lbf. (45 kN).
Speed Range	0.001" to 0.08" (0.025 to 2.032 mm) per minute.
Platen Travel	2.5" (64 mm); limit switch protection.
Vertical Clearance	33 " (838 mm) maximum.
Horizontal Clearance	10" (254 mm).
Controls	Push-button "Up-Down-Stop" with running and travel limit indicator lights; Speed control knob.
Overall Dimensions	13.5" w. x 23 " d. x 51 " h. (343 x 584 x 1,295 mm).
Weight	Net 185 lbs. (84 kg).

Spares/Consumables

Product Sheet

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Dial Indicator - 1.0" Range

Code: 88-4100



Automatic Soil Compactor ASTM 110-120V 60Hz 1Ph

Code: [24-9095/02](#)

Product Group: [Automatic Soil Compactor](#), [Automatic Compactors](#)

Standards

ASTM D558, ASTM D559, ASTM D560, ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180

Specification

Hammer	Circular faced, 2.0" (50.8 mm) dia. foot; selectable to either 5.5 lb.(2.5 kg) or 10 lb. (4.5 kg) weight.
Drop	Adjustable to either 12 " (305 mm) or 18" (457 mm)
Controls	Digital counter system, selector switch for either standard proctor test or modified proctor/CBR testing.
Dimensions	10" w. x 17" d. x 55 " h. (250 x 430 x 1,400 mm).
Weight	Net 41.9 lbs. (190 kg).

Spares/Consumables



Lead Cylinders

Code: [24-9095/13](#)



Modified Compaction Mould

Code: [24-9098](#)



Standard Compaction Mould

Code: [24-9097](#)