

CT 250 Digital Compression Tester

ASTM C-39; AASHTO T-22

- **Optional S.I., Metric, or Imperial Units**
- **Rate Indicator**
- **Automatic Stress Calculation and Display**
- **Safety Door Guards Provided as Standard**
- **RS232 Communication Port for use with PC or Printer**
- **Piston Travel Limit Switch**
- **Slide-out electronics for ease of servicing**
- **Includes Platens for Testing Standard 6" x 12" (152 x 305 mm) Cylinders**

The CT 250 digital compression tester offers economical, affordable quality testing on-site or in the lab. Each tester consists of a heavy duty 250,000 lbf (1,112 kN) capacity load frame, hydraulic pump and digital readout system. Using microprocessor technology, the digital readout system automatically displays load and stress calculations. The easy-to-use membrane keyboard makes selection of operating parameters simple and a pace deviation bar graph allows for fine adjustment of the loading rate. The system features a large digital display for easy viewing. The compact single unit design offers a large surface area on the lower platen and a 11-3/4" wide horizontal opening between the steel uprights. All hydraulic pump operating controls are mounted on the top of the unit for easy access and the built-in overload protection provides machine and operator safety. Supplied complete with standard platens. The CT 250 machines can test 6" x 12" (152 x 305 mm) cylinders using the capping compound or capping pad methods. Optional attachments make it easy to perform flexure, cube, block, and small cylinder testing. The complete system meets ASTM C-39 and AASHTO T-22 specifications covering the design and accuracy of hydraulic testing machines.

Ordering Information

36-0645/02 110-120 V AC, 50/60 Hz, 1 ph

Accessories

- 37-5502** Platen Set for 4" x 8" (102 x 203 mm) Cylinders
- 37-5504** Platen Set for 3" x 6" (102 x 203 mm) Cylinders
- 37-5510** Platen Set for 2" (50mm) Cube
- 37-5512** Platen Set for 6" (50mm) Cube
- 37-5520** Platen Set for Up to 10" Blocks
- 37-5524** Flexural Attachment
- 37-5570** Frame Stand
- 37-5430** 4" x 8" Splitting Tensile Strength Jig Assembly
- 37-5425** 6" x 12" Splitting Tensile Strength Jig Assembly

In the interests of improving and updating its equipment, ELE reserves the right to alter specifications to equipment at any time.



SPECIFICATIONS

Capacity	250,000 lbf (1,112 kN)
Frame	Upper & Lower Steel Plate Sections; 1.25" (31.95 mm) Solid Steel Sides; Bottom Loading Piston
Horizontal Clearance	11-3/4" (298 mm) Between Uprights
Vertical Clearance	14-1/2" (368 mm) Between Platens
Ram	7.874" (200mm) diameter; 3" (76.2mm) stroke; Over-travel Limit Switch Protection
Pump	1.5 hp (1.1 kW) Electro-hydraulic Pump Mounted in Reservoir with Overload Protection
Hydraulic Controls	Front Mounted Controls Including Load Rate (Pace Control) and Load-Unload Valve
Lower Platen	10"w x 14"d x 2" h (254 x 356 x 50 mm), Scribed Concentric Circles and Lines
Upper Platen	6-1/4" (159mm) diameter Swivel Seat Type
Display	Digital Display with Membrane Keypad; Pace Deviation Graph; Automatic Stress Calculation; RS232 Data Ports for Printer and PC.
Range	2,500 to 250,000 lbf (11.2 to 1,112 kN)
Accuracy	Factor Calibrated to Within 0.5% of Reading From 1% to 100% of Machine Capacity
Dimensions	27.5"w x 16"d x 40"h (699 x 406 x 1,016 mm)
Weight	Net 1,100 lbs (499.4 kg)

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ADR-Auto ASTM Series ASTM C-39; AASHTO T-22.

- Available in either 350,000 lbf. (1,555 kN) or 500,000 lbf. (2,224 kN) versions.
- Automatic specimen loading cycle for increased reliability, repeatability and productivity at an affordable price.
- State-of-the-art digital readout and closed-loop, micro processor controlled hydraulic system.
- 'On-board' memory for 500 tests.
- Heavy-duty load frame construction with solid steel side members.
- Rapid-change platen mounting system for easy accessory changeover.
- Adaptable, using a wide range of accessories for cylinder, cube, beam, and block specimen testing.

The new ADR-Auto ASTM range of concrete compression testers has been developed to satisfy the requirements for consistent, high volume testing of concrete samples at an affordable price.

Incorporating a number of features from the top of the range ELE Auto-Tek series, these new machines are ideally suited for on-site quality control and production laboratories.

The automatic loading cycle of the machine is controlled by a closed-loop, microprocessor hydraulic system enclosed in the side mounted control and display console. A large backlit liquid crystal display system provides the operator with a clear indication of the load being applied to the sample throughout the test cycle.

Available in either 350,000 lbf. (1,555 kN) or 500,000 lbf. (2,224 kN) capacities, the series features our rapid-change platen mounting system which allows the operator to quickly mount a wide range of accessories to the frame for cylinder, cube, beam, and block specimen testing in full compliance with ASTM and AASHTO specifications.

Specifications

Capacity.	EI36-4102: 350,000 lbf. (1,555 kN). EI36-4122: 500,000 lbf. (2,224 kN).
Vertical Clearance.	EI36-4102: 19.75" (502 mm) without upper platen assembly. EI36-4122: 19.62" (498 mm) without upper platen assembly.
Horizontal Clearance.	EI36-4102: 11.5" (292 mm) between uprights. EI36-4122: 14" (355 mm) between uprights.
Ram.	EI36-4102: 7.716" (196 mm) diam.; 2" (50 mm) stroke. EI36-4122: 8.75" (222 mm) diam.; 2.5" (64 mm) stroke.
Lower Platen.	EI36-4102: 10" w. x 14" d. x 1" h. (254 x 355 x 25.4 mm). EI36-4122: 12" w. x 16" d. x 2" h. (305 x 406 x 50.8 mm).
Range.	EI36-4102: 3,500 to 350,000 lbf. (15.5 to 1,555 kN). EI36-4122: 5,000 to 500,000 lbf. (22.4 to 2,224 kN).
Accuracy.	Factory calibrated to within 1% of reading, from 1-100% of the machine capacity.
Display.	Backlit LCD; selectable measurements in lbf, kN or kg. Serial RS232C data output.
Dimensions.	EI36-4102: 26" w. x 21.5" d. x 37.5" h. (660 x 546 x 952 mm). EI36-4122: 30" w. x 25" d. x 41.5" h. (762 x 635 x 1,054 mm).
Weight.	EI36-4102: Net 875 lbs. (397 kg). EI36-4122: Net 1,700 lbs. (771 kg).

Ordering Information

Note: Upper platen assembly not included; order separately.

EI36-4102/02.	350,000 lbf. (1,555 kN) capacity. 110-120vAC, 60 Hz, 1Ø.
EI36-4102/06.	350,000 lbf. (1,555 kN) capacity. 220-240vAC, 60 Hz, 1Ø.
EI36-4102/01.	350,000 lbf. (1,555 kN) capacity. 220-240vAC, 50 Hz, 1Ø.
EI36-4122/02.	500,000 lbf. (2,224 kN) capacity. 110-120vAC, 60 Hz, 1Ø.
EI36-4122/06.	500,000 lbf. (2,224 kN) capacity. 220-240vAC, 60 Hz, 1Ø.
EI36-4122/01.	500,000 lbf. (2,224 kN) capacity. 220-240vAC, 50 Hz, 1Ø.

Accessories

EI37-5500.	Platen Set for 6" x 12" (152 x 305 mm) Cylinders.
EI37-5502.	Platen Set for 4" x 8" (102 x 203 mm) Cylinders.
EI37-5504.	Platen Set for 3" x 6" (76 x 152 mm) Cylinders.
EI37-5510.	Platen Set for 2" (50 mm) Cubes.
EI37-5512.	Platen Set for 6" (150 mm) Cubes.
EI37-5518.	Platen Set for Blocks up to 12" (300 mm). EI36-4122 series only.
EI37-5520.	Platen Set for Blocks up to 10" (254 mm). EI36-4102 series only.
EI37-5524.	Flexure Attachment. For EI36-4102 series only.
EI37-5526.	Flexure Attachment. For EI36-4122 series only.



ACCU-TEK™ 500 Digital Series
ASTM C-39; AASHTO T-22.

- **Selectable display in English and Metric units.**
- **Pace Deviation Bar Graph.**
- **Automatic stress calculation and display.**
- **Safety guards provided as standard.**
- **Safety overtravel and overload protection.**
- **Adaptable, using a wide range of accessories, for cylinder, cube, beam, and block specimen testing.**
- **Rapid-change platen mounting system for easy accessory changeover.**
- **Meets ASTM and AASHTO specifications.**

The ACCU-TEK™ 500 Digital Series compression tester meets the demands of extensive load capacity testing by combining microprocessor technology with rugged solid steel frame construction for testing high strength concrete. The space-saving single unit design consists of a heavy duty 500,000 lbf. (2,224 kN) capacity load frame, hydraulic pump and digital display system.

The digital display system provides an easy-to-use membrane keypad, making selection of operating parameters a simple process. A pace deviation bar graph allows for fine adjustment of the loading rate and the automatic stress calculation is easy to read on the large display. The system has data storage and transfer capabilities for 500 tests.

The large lower bearing block, combined with a bellows, eliminates hydraulic leaks by preventing dust and debris from entering the piston/cylinder seal area of the load frame. The 14" (355 mm) wide horizontal opening provides complete accessibility for loading specimens.

With the rapid-change platen system, the operator can quickly and easily mount a wide range of accessories to the upper crosshead for cylinder, cube, beam, and block specimen testing – from 2" (50 mm) cubes to 12" (305 mm) masonry blocks.

Specifications

Capacity.	500,000 lbf. (2,224 kN).
Vertical Clearance.	19.62" (498 mm) without upper platen assembly.
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.	Digital display with membrane keypad; pace deviation bargraph; automatic stress calculation; date storage for 500 tests; RS232C data output and printer ports.
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 1,700 lbs. (771 kg).

Ordering Information

Note: Upper platen assembly not included; order separately.

- EI36-3088/02.** 110vAC, 60 Hz, 1ø.
- EI36-3088/06.** 220vAC, 60 Hz, 1ø.
- EI36-3088/01.** 220vAC, 50 Hz, 1ø.

Accessories

- EI37-5500.** Platen Set for 6" x 12" (152 x 305 mm) Concrete Cylinders.
- EI37-5502.** Platen Set for 4" x 8" (102 x 203 mm) Concrete Cylinders.
- EI37-5504.** Platen Set for 3" x 6" (76 x 152 mm) Concrete Cylinders.
- EI37-5510.** Platen Set for 2" (50 mm) Cube.
- EI37-5512.** Platen Set for 6" (152 mm) Cube.
- EI37-5518.** Platen Set for Blocks up to 12" (305 mm).
- EI37-5526.** Flexural Attachment.

ACCU-TEK™ 500 Gauge Series
ASTM C-39; AASHTO T-22.

ELE offers both single and dual gauge versions of the ACCU-TEK™ 500 Series Compression Tester. Contact factory for details.



ACCU-TEK 350™ Digital Series ASTM C-39; AASHTO T-22.

- Automatic stress calculation and display.
- Data storage and transfer capabilities for 500 tests.
- RS-232C communication port for use on personal computers.
- Solid steel side member construction.
- Front and rear safety guards provided as standard.
- Meets ASTM and AASHTO specifications.
- Adaptable, using a wide range of accessories, for cylinder, cube, beam, and block specimen testing.
- Rapid-change platen mounting system for easy accessory changeover.

For testing a wide range of concrete specimens, the ACCU-TEK™ 350 Digital Series compression tester provides the ruggedness of solid steel frame construction with the microprocessor technology of the ELE Digital Readout System. The compact single unit design consists of a heavy duty 350,000 lbf. (1,555 kN) capacity load frame, hydraulic pump and digital readout system.

The digital display system promotes productivity and accuracy with a simple-to-use membrane keypad and automatic stress calculation. Operating parameters are easily selected and an accurate loading rate is assured with a Pace Deviation Bar Graph. Selected English or Metric units are easily viewed on the large LED display. Data for over 500 tests may be either stored or transferred.

The 11.5" (292 mm) wide day light opening of the frame provides accessibility and convenience for placing specimens. Front and rear safety guards are supplied as standard. The rapid-change platen system facilitates mounting accessories to the upper crosshead. A wide range of accessories is available for cylinder, cube, beam, and block specimen testing – from 2" (50 mm) cubes to 10" (254 mm) blocks.

Specifications

Capacity.	350,000 lbf. (1,555 kN).
Vertical Clearance.	19.75" (502 mm) without upper platen assembly.
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.	Digital display with membrane keypad; pace deviation bargraph; automatic stress calculation; data storage for 500 tests; RS232C data output and printer ports.
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).

Ordering Information

Note: Upper platen assembly not included; order separately.

- EI36-0718/02. 110vAC, 60 Hz, 1ø.
- EI36-0718/06. 220vAC, 60 Hz, 1ø.
- EI36-0718/01. 220vAC, 50 Hz, 1ø.

Accessories

- EI37-5500. Platen Set for 6" x 12" (152 x 305 mm) Concrete Cylinders.
- EI37-5502. Platen Set for 4" x 8" (102 x 203 mm) Concrete Cylinders.
- EI37-5504. Platen Set for 3" x 6" (76 x 152 mm) Concrete Cylinders.
- EI37-5510. Platen Set for 2" (50 mm) Cube.
- EI37-5512. Platen Set for 6" (152 mm) Cube.
- EI37-5520. Platen Set for Blocks up to 10" (254mm).
- EI37-5524. Flexure Attachment.
- EI37-5570. Frame Stand.

ACCU-TEK™ 350 Gauge Series ASTM C-39; AASHTO T-22.

ELE offers both single and dual gauge versions of the ACCU-TEK™ 350 Series Compression Tester. Contact factory for details.



ACCU-TEK™ 250 Digital Series ASTM C-39; AASHTO T-22.

- **Selectable display in English or Metric units.**
- **Automatic stress calculation and display.**
- **Data storage and transfer capabilities for 500 tests.**
- **RS-232C communication port for use on personal computers.**
- **Adjusts for capping compound or capping pad method, by removing the platen spacer.**
- **Includes platens for testing standard 6" x 12" (152 x 305 mm) cylinders.**

The lightweight, portable ACCU-TEK™ 250 Digital Series compression tester offers economical, affordable quality testing on-site or in the lab. Each tester consists of a heavy duty 250,000 lbf. (1,112 kN) capacity load frame, hydraulic pump and digital readout system.

Using microprocessor technology, the digital readout system automatically displays load and stress calculations. The easy-to-use membrane keyboard makes selection of operating parameters simple and a pace deviation bar graph allows for fine adjustment of the loading rate. The system features a large, backlit digital display for easy viewing.

The compact single unit design offers a large surface area on the lower platen and a 9" (229 mm) wide horizontal opening between the steel uprights. All hydraulic pump operating controls are mounted on the front of the unit for easy access, and the built-in overload protection provides machine and operator safety.

Supplied complete with standard platens, the ACCU-TEK™ 250 machines can test 6" x 12" (152 x 305 mm) cylinders, using either the capping compound or capping pad methods. Optional attachments make it easy to perform flexure, cube, block, and small cylinder testing.

The complete system meets ASTM C-39 and AASHTO T-22 specifications covering the design and accuracy of hydraulic testing machines.

Specifications

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.
Horizontal Clearance.	9" (229 mm) between uprights.
Pump.	1 h.p. (.07kw) 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.	Digital display with membrane keypad; pace deviation bargraph; automatic stress calculation; data storage for 500 tests; RS232C data output and printer ports.
Range.	2,500 to 250,000 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).

Ordering Information

- EI36-0650/02. 110vAC, 60 Hz, 1ø.
- EI36-0650/06. 220vAC, 60 Hz, 1ø.
- EI36-0650/01. 220vAC, 50 Hz, 1ø.

Accessories

- EI36-0650/10. Safety Guard Doors.
- EI37-5506. Platen Set for 4" x 8" (102 x 203 mm) cylinders.
- EI37-5508. Platen Set for 3" x 6" (76 x 152 mm) cylinders.
- EI37-5514. Platen Set for 2" (50 mm) cubes.
- EI37-5516. Platen Set for 6" (150 mm) cubes.
- EI37-5522. Platen Set for 8" x 8" x 16" (203 x 203 x 406 mm) blocks.
- EI37-5528. Flexure Attachment.
- EI37-5570. Frame Stand.
- EI37-5572. Splitting Tensile Strength Bearing Bar.



ACCU-TEK™ 250 Gauge Series

ASTM C-39; AASHTO T-22.

- **Compact single unit design.**
- **Meets ASTM and AASHTO specifications.**
- **Adjusts for capping compound or capping pad method by removing the platen spacer.**
- **Includes platens for testing standard 6" x 12" (152 x 305 mm) cylinders.**
- **Adaptable, using a wide range of accessories, for flexure, cube, block, and small cylinder testing.**
- **Easy-to-read 12" (305 mm) diameter test gauge.**

The economical ACCU-TEK™ 250 Gauge Series compression testing machine is perfect for the in-house or on-site QC lab. The compact single unit design consists of a heavy duty 250,000 lbf. (1,112 kN) capacity load frame, hydraulic pump, and single gauge for load indication.

The single gauge features an easy-to-read 12" (305 mm) diameter test gauge. The gauge has a knife edge load pointer, maximum load pointer, external calibration and zero adjustment controls.

The pump-mounted pressure compensated flow control valve with 4-position control lever and adjustable flow valve are mounted on the front of the unit for easy access, and the built-in overload protection provides machine and operator safety.

The ACCU-TEK™ 250 Gauge Series testing machine is designed with a large surface area on the lower platen and a 9" (229 mm) wide horizontal opening between the steel uprights. The unit is supplied complete with standard platens for testing 6" x 12" (152 x 305 mm) cylinders, using either the capping compound or capping pad methods. Optional attachments make it easy to perform flexure, cube, block, and small cylinder testing.

The complete system meets ASTM C-39 and AASHTO T-22 specifications covering the design and accuracy of hydraulic testing machines.

Specifications

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.
Horizontal Clearance.	9" (229 mm) between uprights.
Pump.	1 h.p. (.07kw) 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.
Gauge.	12" (305 mm) diameter; dual scale in lbf. and kN.
Range.	25,000 lbf. to 250,000 lbf. (112 kN to 1,112 kN).
Accuracy.	Factory calibrated to within 1% of reading within range.
Overall Dimensions.	25.5" w. x 12" d. x 45" h. (648 x 305 x 1,143 mm).
Weight.	Net 535 lbs. (243 kg).

Ordering Information

- EI36-0655/02. 110vAC, 60 Hz, 1ø.
 EI36-0655/06. 220vAC, 60 Hz, 1ø.
 EI36-0655/01. 220vAC, 50 Hz, 1ø.

Accessories

- EI36-0655/10. Safety Guard Doors.
 EI37-5506. Platen Set for 4" x 8" (102 x 203 mm) Cylinders.
 EI37-5508. Platen Set for 3" x 6" (76 x 152 mm) Cylinders.
 EI37-5514. Platen Set for 2" (50 mm) Cubes.
 EI37-5516. Platen Set for 6" (150 mm) Cubes.
 EI37-5522. Platen Set for 8" x 8" x 16" (203 x 203 x 406 mm) Blocks.
 EI37-5528. Flexure Attachment.
 EI37-5570. Frame Stand.
 EI37-5572. Splitting Tensile Strength Bearing Bar.



Specifications

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.
Horizontal Clearance.	9" (229 mm) between uprights.
Pump.	Two-speed concentric; hand-operated with built-in reservoir.
Gauge.	8-1/2" (216 mm) diameter; dual scale in lbf. and kN.
Range.	25,000 lbf. to 250,000 lbf. (112 kN to 1,112 kN).
Accuracy.	Factory calibrated to within 1% of reading within range.
Overall Dimensions.	21" w. x 15-1/2" d. x 37" h. (533 x 394 x 940 mm).
Weight.	Net 490 lbs. (222 kg); Shpg. 510 lbs. (231 kg).

Ordering Information

EI36-0657.

Accessories

EI36-0657/10.	Safety Guard Doors.
EI37-5506.	Platen Set for 4" x 8" (102 x 203 mm) Cylinders.
EI37-5508.	Platen Set for 3" x 6" (76 x 152 mm) Cylinders.
EI37-5514.	Platen Set for 2" (50 mm) Cubes.
EI37-5516.	Platen Set for 6" (150 mm) Cubes.
EI37-5522.	Platen Set for 8" x 8" x 16" (203 x 203 x 406 mm) Blocks.
EI37-5530.	Flexure Attachment with 20,000 lbf. (90kN) Gauge.
EI37-5570.	Frame Stand.
EI37-5572.	Splitting Tensile Strength Bearing Bar.
EI37-5574/02.	Electric Pump Attachment. 110VAC, 60 Hz, 1Ø.
EI37-5574/06.	Electric Pump Attachment. 220VAC, 60 Hz, 1Ø.
EI37-5574/01.	Electric Pump Attachment. 220VAC, 50 Hz, 1Ø.

Special Note:

The ACCU-TEK™ 250 portable series compression tester does not meet ASTM and AASHTO specifications due to the use of a hand pump and small diameter gauge with limited readability.

ACCU-TEK™ 250 Portable Series

- **Compact single unit design.**
- **Adjusts for capping compound or capping pad method by removing the platen spacer.**
- **Includes platens for testing standard 6" x 12" (152 x 305 mm) cylinders.**
- **Adaptable, using a wide range of accessories, for flexure, cube, block, and small cylinder testing.**
- **Easy-to-read 8-1/2" (216 mm) diameter test gauge.**

The economical and lightweight ACCU-TEK™ 250 Portable Series compression testing machine is designed for both laboratory and field testing. The compact single unit design consists of a heavy duty 250,000 lbf. (1,112 kN) capacity load frame, hand-operated pump, and single gauge for load indication.

The single gauge features an easy-to-read 8-1/2" (216 mm) diameter test gauge. The gauge has a knife edge load pointer and maximum load indication pointer.

The hand-operated pump system is mounted on the front of the unit for easy access, and the built-in overload protection provides machine and operator safety.

The unit is supplied complete with standard platens for testing 6" x 12" (152 x 305 mm) cylinders, using either the capping compound or capping pad methods. Optional attachments make it easy to perform flexure, cube, block, and small cylinder testing.



ADR and Compact 250 Series

ASTM C-39; AASHTO T-22.

- **250,000 lbf. (1,112 kN) capacity.**
- **Solid steel side member construction.**
- **Front and rear safety guards provided as standard.**
- **Meets ASTM and AASHTO requirements.**
- **Adaptable, using a wide range of accessories, for cylinder, cube, beam, and block specimen testing.**
- **Rapid-change platen mounting system.**
- **Available in digital or analog gauge versions.**

The ADR 250 and Compact 250 range of compression machines have been designed to meet the need for a simple, economic and reliable means of testing concrete.

The 11.5" (292 mm) wide daylight opening of the frames provides accessibility and convenience for placing specimens. Front and rear safety guards are supplied as standard. The rapid-change platen system facilitates mounting accessories to the upper crosshead. A wide range of accessories is available for cylinder, cube, beam, and block specimen testing.

The ADR 250 series features the new ADR digital readout system. The easy-to-read LCD display and touch-button data pad keys make the unit quick and straightforward to operate. All interactions with the measuring system is via the front control panel, using simple menu-driven procedures. For those who prefer analog gauge machines, the Compact 250 series machines incorporate a 10" (250 mm) diameter gauge graduated in lbf. and kN units.

Both machines utilize the ELE hydraulic power pack system. This unique system incorporates a durable variable output pump, allowing fine control for accurate load pacing or maximum pump output for rapid daylight closing.

Specifications

Capacity.	250,000 lbf. (1,112 kN).
Vertical Clearance.	19.75" (502 mm) without upper platen assembly.
Horizontal Clearance.	11.5" (292 mm) between uprights.
Ram.	7.716" (196 mm) diam.; 2" (50 mm) stroke.
Pump.	Variable output with rapid approach, controlled rate and pressure release controls.
Lower Platen.	10" w. x 14" d. x 1" h. (254 x 355 x 25.4 mm).
Display System.	ADR series: ADR digital readout system. Compact series: 10" (250 mm) diam. gauge graduated in lbf and kN.
Range.	ADR series: 2,500 lbf. to 250,000 lbf. (112 to 1,112 kN). Compact series: 25,000 lbf. to 250,000 lbf. (112 to 1,112 kN).
Accuracy.	Factory calibrated to within 1.0% of reading within range.
Dimensions.	ADR series: 23.6" w. x 14.9" d. x 44" h. (600 x 380 x 1,118 mm). Compact series: 23.6" w. x 14.9" d. x 52" h. (600 x 380 x 1,320 mm).
Weight.	ADR series: Net 772 lbs. (350 kg). Compact series: Net 728 lbs. (330 kg).

Ordering Information

Note: Upper platen assembly not included; order separately.

- EI36-0660/02.** ADR 250 Digital Series. 110-120vAC, 60 Hz, 1ø.
- EI36-0660/06.** ADR 250 Digital Series. 220-240vAC, 60 Hz, 1ø.
- EI36-0660/01.** ADR 250 Digital Series. 220-240vAC, 50 Hz, 1ø.
- EI36-0665/02.** Compact 250 Gauge Series. 110-120vAC, 60 Hz, 1ø.
- EI36-0665/06.** Compact 250 Gauge Series. 220-240vAC, 60 Hz, 1ø.
- EI36-0665/01.** Compact 250 Gauge Series. 220-240vAC, 50 Hz, 1ø.

Accessories

- EI37-4855/30.** Data Acquisition Software.
- EI37-5500.** Platen Set for 6" x 12" (152 x 305 mm) Cylinders.
- EI37-5502.** Platen Set for 4" x 8" (102 x 203 mm) Cylinders.
- EI37-5504.** Platen Set for 3" x 6" (76 x 152 mm) Cylinders.
- EI37-5510.** Platen Set for 2" (50 mm) Cubes.
- EI37-5512.** Platen Set for 6" (150 mm) Cubes.
- EI37-5520.** Platen Set for Blocks up to 10" (254 mm).
- EI37-5524.** Flexure Attachment.
- EI37-5570.** Frame Stand.