

MODEL TO-114

AUTOMATIC SOIL COMPACTOR



EQUIPMENT DESCRIPTION

The time and effort required to prepare specimens for compaction studies can be costly and time consuming. The Tinius Olsen Compactor automatically compacts soil specimens, eliminating the effort of hand compaction. The height and weight of the hammer is adjustable to suit test requirements. An automatic blow pattern ensures optimum compaction for each layer of soil. The hammer itself travels across the mold and the table rotates the mold in equal steps on a base that is extremely stable. The number of blows per layer can be set at the beginning of the test by means of the simple digital counter system.

APPLICABLE STANDARDS

BS1377, EN 1997-2, 1924; ASTM D558, D560, D698, D1557; AASHTO T99, T134, T135, T136, T180



SUPPLIED AS STANDARD WITH:

For BS Standards:

TO-11201 Proctor compaction mold for light compaction - 105mm ID x 115.5mm high

TO-11201-H Compaction mold for heavy compaction - 152mm ID x 127mm high

For ASTM Standards:

TO-11301 Compaction mold for light compaction - 101.6mm IDx 116.4mm high

TO-11301-H Compaction mold for heavy compaction - 152mm IDx 116.4mm high

For AUS Standards:

TO-11201-AS Light compaction mold
TO-11201-H-AS Heavy compaction mold



KEY FEATURES

- Pre-set blow pattern ensures even compaction.
- Solid state controls for reliability and ease of maintenance.
- Automatic counter reset after completion of blow pattern.



SPECIFICATIONS:

Rammer: Circular faced, 2.0" (50.8 mm) diameter foot; adjustable 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): 419 lbs (190 kg)

Note: Compaction molds not included and must be ordered separately.



OPTIONAL ACCESSORIES:

TO-11201 Proctor compaction mold for light compaction - 105mm ID x 115.5mm high

TO-11201-H Compaction mold for heavy compaction - 152mm ID x 127mm high

TO-11301 Compaction mold for light compaction - 101.6mm ID x 116.4mm high

TO-11301-H Compaction mold for heavy compaction - 152mm ID x 116.4mm high

TO-11201-AS Light compaction mold

TO-11201-H-AS Heavy compaction mold 400 x 600mm



ORDERING INFORMATION:

TO-114-BS-01 Automatic Soil Compactor, to BS EN standards, configured for operation at 110VAC, 60Hz, 1 ph.

TO-114-BS-02 Automatic Soil Compactor, to BS EN standards, configured for operation at 220VAC, 60Hz, 1 ph.

TO-114-BS-03 Automatic Soil Compactor, to BS EN standards, configured for operation at 220VAC, 50Hz, 1 ph.

TO-114-ASTM-01 Automatic Soil Compactor, to ASTM standards, configured for operation at 110VAC, 60Hz, 1 ph.

TO-114-ASTM-02 Automatic Soil Compactor, to ASTM standards, configured for operation at 220VAC, 60Hz, 1 ph.

TO-114-ASTM-03 Automatic Soil Compactor, to ASTM standards, configured for operation at 220VAC, 50Hz, 1 ph.

TO-114-AS-01 Automatic Soil Compactor, to AUS standards, configured for operation at 110VAC, 60Hz, 1 ph.

TO-114-AS-02 Automatic Soil Compactor, to AUS standards, configured for operation at 220VAC, 60Hz, 1 ph.

TO-114-AS-03 Automatic Soil Compactor, to AUS standards, configured for operation at 220VAC, 50Hz, 1 ph.

