



CONSTRUCTION MATERIALS TESTING SOLUTIONS

# PROCTOR COMPACTOR

## Universal automatic Proctor/CBR Compactor

**Standards** AASHTO T180 | AASHTO T193 | AASHTO T99 | ASTM D1557 | ASTM D1883 | ASTM D558 | ASTM D698 | BS 1377:4 | EN 13286-2 | EN 13286-47 | NF P94-093 | NF P94-066 | UNE 103-500 | AS 1289.5.1.1 | AS 1289.5.2.1



**Proctor Compaction Testing** is a fundamental requirement for the construction of earth fill for dams, reservoirs, highways, railways and runways. Quality control tests check the density of compacted soil in the field to ensure that its strength complies with all the relevant standards.

**CONTROLS** Proctor/CBR universal compactor automatically performs programmable and uniform compaction cycles in full conformance to all standards. This automatic process eliminates inconsistencies in test data generated by manual adjustments and guarantees accurate and reliable results every time.



### Superior accuracy

The machine continuously measures and adjusts the dropping height at each stroke during compaction delivering high precision throughout the whole compacting path.



### Ergonomic and safe

This fully CE compliant machine features a double door system with see-through panels that provides a clear view and easy access to the testing chamber during compaction. If doors accidentally open, a safety switch will automatically stop the machine plus a STOP button is also close at hand in case of emergency.



### Fully automatic and versatile

Dropping height is set from the digital display without the need for any manual adjustments. The mold fixing system uses a quick release clamping mechanism compatible with **CONTROLS** and most brands of CBR/Proctor molds\*.



### Total functionality and easy operation

The machine is supplied with a universal impact rammer (50 mm and 2"dia.) that can be swapped in a few seconds. Adjusting the weight is equally easy and can be done in one single operation. A noise reduction steel cabinet with double top-and-front opening system and lined internally with soundproofing material is available on request.



### Optimal user interface

The user-friendly interface boasts a high-resolution color graphical display 128 by 80 pixels as well as a membrane keyboard. You can access pre-stored test procedures in multiple languages plus tailor test methods according to your needs.

\* Please check with our sales department prior to ordering

# PROCTOR COMPACTOR

## Universal fully automatic



Continuous monitoring of the dropping height during compaction and automatic real time adjustment deliver utmost precision throughout the entire compacting path.

Secure alarmed double door system with see-through panels.

Universal quick release clamping mechanism compatible with most brands of CBR/Proctor molds.

Automatic dropping height set by controller avoiding manual adjustment.

Dropping height accuracy beats Standards' requirements from beginning to end of the compacting path.

Universal impact rammer including circular dia. 50 mm and 2".

### Technical specifications

**Models: 33-T3712 | 33-T3713 | 33-T3714**

Mold/specimen dia.	100 to 152.4 mm (4" and 6")
Rammer faces <i>(Interchangeable conforming to Standards, see table p 4)</i>	Circular (dia. 50 mm / 2")
Rammer weight <i>(Interchangeable conforming to Standards, see table p 4)</i>	2.49, 2.50, 2.70*, 4.50, 4.54, 4.90* kg
Rammer dropping height <i>(digitally set conforming to Standards, see table p 4)</i>	300, 305, 450, 457 mm
Blow rate	30 strokes / min
Safety features	Compliant with CE directives
Power rating	650 W approx.
Overall dimensions (w x d x h)	494 x 595 x 2500 mm
Weight approx.:	150 kg

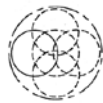
\* Available with the upgrade kit 33-T3712/AU

## Fully universal

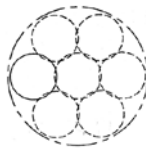
CONTROLS Proctor/CBR universal compactor automatically performs programmable and uniform compaction cycles in full conformance to all standards. This automatic process eliminates inconsistencies in test data generated by manual adjustments and guarantees accurate and reliable results every time.

Standards	Rammer face dia.	Rammer weight	Rammer dropping height
ASTM D698	50.8 mm	2.49 kg	304.8 mm
ASTM D558	50.8 mm	2.49 kg	304.8 mm
ASTM D1557	50.8 mm	4.54 kg	457.2 mm
ASTM D1883	50.8 mm	2.49 kg 4.54 kg	304.8 mm 457.2 mm
AASHTO T99	50.8 mm	2.49 kg	305 mm
AASHTO T180	50.8 mm	4.54 kg	457 mm
AASHTO T193	50.8 mm	2.49 kg 4.54 kg	305 mm 457 mm
EN 13286-2 EN 13286-47 NF P94-093	50 mm	2.50 kg 4.50 kg	305 mm 457 mm
BS 1377-4	50 mm	2.50 kg 4.50 kg	300 mm 450 mm
AS 1289.5.1.1	50 mm	2.7 kg	300 mm
AS 1289.5.2.1	50 mm	4.90 kg	450 mm

This unique system fully conforms to all standards (EN, ASTM, AASHTO, AS, BS, NF, etc.) plus can accommodate 100 mm (4") and 150 mm (6") molds.



Mould Ø 100/4"



Mould Ø 150/6"

## Ordering information

### 33-T3712

Universal Fully Automatic programmable Proctor/CBR compactor for specimens from 100 mm - 4" to 150 mm - 6" diameter, conforming to EN, ASTM, AASHTO, BS, NF, AS and major international Standards. Universal rammer kit included. 230 V, 50 Hz, 1 ph.

### 33-T3713

As above.  
220 V, 60 Hz, 1 ph.

### 33-T3714

As above.  
110 V, 60 Hz, 1 ph.

## Accessories

### Upgrading kit

#### 33-T3712/AU

Upgrading kit for Australian Standard AS 1289.5.1.1 and AS 1289.5.2.1

### Noise reduction cabinet

#### 33-T3712/CB

Noise reduction cabinet for CBR-Proctor universal compactor

## Contact us

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