

**EXPANSION OF PORTLAND CEMENT****62-L0032/A**

High pressure cement autoclave.  
230 V, 50-60 Hz, 1 ph.

**62-L0032/AZ**

Same as above but 110 V, 60 Hz, 1 ph.

**STANDARD**

ASTM C151, C141 - UNE 7207

**General description and specifications**

The system is specially designed for conducting expansion tests on cements. The autoclave consists of a high-pressure steam vessel with internal dimensions 154 mm dia. x 430 mm high to accept a rack for holding 10 specimens. It is complete with pressure gauge, pressure regulator, temperature regulator, control switches, safety valve, and specimen rack.

Heater: 2600 W

**Overall dimensions:**  
450x475x1080 mm

**Weight approx.:** 55 kg

**Accessories**

➤ **62-L0033/A** Two gang prism mould to produce cement prisms of 25 mm sq. cross-section with 250 mm gauge length. Weight approx.: 9 kg

➤ **62-L0033/A1** Spare contact points for 62-L0033/A. Pack of 100



62-L0032/A



62-L0033/A

**62-L0035**

Length comparator

**62-L0035/A**

Length comparator. Digital version

**62-L0035/F**

Length comparator conforming to NF P15-433

**62-L0035/AF**

Length comparator. Digital version, conforming to NF P15-433

**STANDARD**

**EN 1367-4 - EN 12617-4 -**  
ASTM C151, C490 - NF P15-433 -  
BS 1881:5, 6073

**General description and specifications**

This apparatus is used to determine the changes in length of cement prisms in the accelerated soundness test. It is also used to measure length changes of 40x40x160 mm, and other sizes of cement and concrete specimens. The instrument consists of an analogic or digital length gauge which is mounted on a steel frame. The top anvil is adjustable to suit the required specimen.

**Overall dimensions:**  
180x180x490 mm

**Weight approx.:** 10.5 kg

**Accessories**

➤ **62-L0034/3**  
Reference rod, 205 mm. BS 1881, 6073

➤ **62-L0034/4**  
Reference rod, 230 mm. BS 6073

➤ **62-L0034/6**  
Reference rod, 305 mm. BS 6073

➤ **62-L0034/7**  
Reference rod, 160 mm. EN 12617-4  
and NF P15-433

➤ **62-L0034/8**  
Reference rod, 280 mm. UNI 8148

➤ **62-L0034/9** Reference rod, 190 mm.  
ASTM C348, UNI 6687

➤ **62-L0034/1** Reference rod, 300 mm.  
ASTM C490, BS 1881

➤ **62-L0034/10** Reference rod. 176  
mm. To EN 1770 (for plugs 65-L0010/5)

➤ **65-L0010/5** Plugs for thermal  
expansion measurement. Type 2, B  
shape to EN 1770. Pack of 12 pcs.



62-L0035/A with reference rod



62-L0035 Detail of the analogic version

**AIR CONTENT OF MORTAR****STANDARD**

ASTM C185-85, AASHTO T137

**62-L0048**

Steel measure 400 ml cap.

**General description and specifications**

Used as a density method for the determination of the air content of freshly mixed mortars. Made of steel, 88.1 mm height x 76.2 mm internal diameter, it is calibrated to contain  $400 \pm 1$  ml of water at 23°C.

**Weight approx.:** 800 g

**Accessories**

➤ **63-L0039/2** Tamper

**62-D1635**

Chattaway spatula. Made of pure nickel  
120 mm long. Net weight 100 g



62-L0048



62-D1635