

# Durometers

## DM/34 SERIES DUROMETERS (Penetrometers)

New stainless steel version. Used to determine the depth of penetration of a flat headed pin into pressed raw ceramic tiles. Indispensable for producers of floor and wall ceramic tiles, especially with single firing processes. A calibrated spring system, with special reading comparator reset process that can be carried out only occasionally, ensures that relative tile measurements in a few seconds.

The DM/34 penetrometer therefore makes it much easier to carry out daily checks on pressing uniformity. The large stainless steel base makes it easy to perform tests in the centre of the sample, up to a size of 40x40 cm, and up to a size of 70x70 cm upon the model.

The main body and various supports in stainless steel and aluminium. Accurate finishes. Complete with various accessories for use and maintenance, 5 flat head pins with areas of 0.75-1.00-1.50-1.75-2.00 mm<sup>2</sup>, that, together with an additional 3 kg calibrated spring and a special supporting head, allow the instrument to be used on a wide range of pressed materials, from the softest to the hardest. The 1.50 mm<sup>2</sup> pin and the 4 kg calibrated spring are already mounted on the device.

**DM/34-40:** fitted with stainless steel centesimal comparator  $\varnothing$  112 mm. For size up to 40x40 cm, as pictured across (01CI1830).

**DM/34-70:** fitted with stainless steel centesimal comparator  $\varnothing$  112 mm. For size up to 70x70 cm (01CI1830/1).

**DM/34-40/E:** fitted with digital LCD centesimal comparator. For size up to 40x40 cm (01CI1832).

**DM/34-70/E:** fitted with digital LCD centesimal comparator. For size up to 70x70 cm as pictured below (01CI1832/1).



### Optional Extras:

Pin with area of 0.75 mm<sup>2</sup> (01CI1830/A).

Pin with area of 1.00 mm<sup>2</sup> (01CI1830/B).

Pin with area of 1.50 mm<sup>2</sup> (01CI1830/C).

Pin with area of 1.75 mm<sup>2</sup> (01CI1830/D).

Pin with area of 2.00 mm<sup>2</sup> (01CI1830/E).

4 kg spring (01CI1830/F).

3 kg spring (01CI1830/g).

$\varnothing$  112 mm centesimal comparator (01CI1830/M).

LCD digital comparator (01CI1832/A).

## PORTABLE DUROMETER, DM/34-P/E (Penetrometer)

As per the DM/34 models, but portable and fitted with digital LCD centesimal comparator. The instrument is placed on the sample material while a wide base support keeps it balanced. A simple manual lever system is used to apply and remove the pressure of the spring on the test product in order to carry out the penetration test. The instrument is suitable for occasional tests or for checks between different departments or factories. Built totally from rustproof materials such as stainless steel and brass. Supplied complete with 5 flat head pins with areas of 0.75 - 1.00 - 1.50 - 1.75 - 2.00 mm<sup>2</sup>, one 4 kg calibrated spring and one 3 kg calibrated spring for particularly soft bodies. The 1.50 mm<sup>2</sup> pin and the 4 kg spring are already installed on the instrument. The instrument is also supplied with various accessories and an elegant case. Gross weight: 9 kg. (01CI1833)

Optional Extras: Same as DM/34 Series.

