



CODE **GT2255**
MODEL **EXPANSION METER ISO**
OVERALL DIMENSIONS. .310x90x180 mm
WEIGHT 1,8 Kg

MOISTURE EXPANSION METER

STANDARD

ISO 10545-10

DESCRIPTION

Device to measure the expansion due to humidity of ceramic tiles according to ISO 10545-10. From the center of the tiles are obtained 150x50 mm specimens which are fired a second time in an oven and then cooled. The specimens are measured a first time with a nickel steel reference bar (invar). Then a prolonged immersion in boiling water is carried out using the ISOWATER instrument. The average of the two measurements before and after the boiling water treatment is then determined, and finally the difference between the two values.

TECHNICAL SPECIFICATIONS

- Base with rubber support and foot to reach a max. inclination of 45°
- No. 2 supports at 5 mm from the edge (long side)
- No. 1 support in axis with the comparator (short side)
- No. 1 digital gauge with resolution 0.01 mm
- Test sample with max. dimensions 150x50 mm
- Digital gauge holder with two holes for two positions
- No. 2 fixed tile supports at 10 mm from the edge
- No. 1 fixed tile support near the comparator at the centre of the tile at 10 mm from the edge

EQUIPMENT

- Digital gauge, resolution 0.01 mm
- Invar bar L=150 mm