



40-602-009 Penetrometer for Pipes RP 3 Air

Standards

DIN EN 14 901, DIN 30 670, ISO 21 809, ASTM G 17



Application

The RP 3 Air penetrometer is designed to perform standard-compliant measurements for determining the indentation resistance on pipes in air.

Features

The COESFELD RP 3 Air penetrometer consists of a heating chamber with three fixed test points for determining the indentation resistance.

With the built-in digital displacement gauges, the penetration of the penetration needle into the test specimen is measured during the test.

The test stations can be adapted to different standards (depending on the ordered option) by simple mechanical modification.

The target temperature is set directly at the heating chamber.

Technical Data

Device	RP 3 Air
Number of testing stations	3
Temperature Range	RT + 10 °C to 300 °C
Temperature Stability	± 2°C
Temperature control medium	Air

Dimensions and Connection

Mains	230 V, 50/60 Hz
Power	approx. 1600 W
Dimension (DxWxH)	approx. 434 x 585 x 890 mm
Weight	approx. 55 kg



Partlist

Item No.	Description
40-602-009	Penetrometer for Pipes RP 3 Air
40-051	Flat tip indenter 2,5 mm ² , Ø 1,8 mm (DIN 30 670 / ISO 21 809) *
40-063	Flat tip indenter 6,35 mm diameter (ASTM G 17) *
40-057	Weight DIN 30 670 (2250 g) + basic weight = 2500 g */**
40-064	Weight ASTM G 17 (4203 g) + basic weight = 4453 g */**
40-067	Weight ISO 21 809 (2298 g) + basic weight = 25 N */**
40-605	PC-Extension MDE-RP-3 for RP 3 Air for 3 Specimen

* The number of indenters and weights depends on the number of testing stations, e.g. for 3 testing stations there must be ordered 3 indenters and 3 weights.

** The mass of the loading mechanism (= basic weight 250 g) was taken into account in the design of the various weights so that the respective total load (basic weight + weight DIN / ASTM / ISO) meets the requirements of the selected standard.