



10-106-000 Digital Automatic Penetrometer

Standards

ASTM D5, ASTM D217, ASTM D937, ASTM D1321, ASTM D1403, ASTM D5329, ASTM D7342, DIN 51579, DIN 51580, EN 1426, EN 13179-2, EN 13880-3, ISO 2137, IP 50, IP 179, IP 310, IP 376, DAB 10-V.5.8.1



Application

Digital, automatic penetrometer with microcontroller and surface detector to determine the deformability (flowability/consistency) of plastic and elastic masses (greases, balms, creams, pastes, bitumen)

A test needle/cone is placed exactly on the sample surface. During the penetration time, the test needle/cone sinks into the sample by its own weight in a defined time.

The measured penetration depth is the measure for the consistency of the sample.

A large selection of accessories according to the relevant standards is available.

Customized accessories can also be manufactured if required.

Features

The penetration arm can be operated manually via the motor drive with joystick or fully automatically in automatic mode by means of the surface detection system. The device automatically detects the sample surface via a non-contact scanning system and automatically triggers the drop rod. The drop rod can be easily removed for calibration purposes.

Technical Data

Penetration Range	0 .. 30 mm
Display Accuracy	0,01 mm
Standard Test Load	100 g
Penetration Time	0,1 ... 3000 s

Dimensions and Connection

Dimensions	280 x 490 x 760 mm
Weight	approx. 26 kg
Mains	100/240 V, 50/60 Hz

Accessories

A wide range of penetrators according to the relevant standards are available in a separate product information.
Customized penetrators on request