

Shotcrete Penetrometer

BS ISO 14488 (Method A)

Verification of consistency is vital in the early stages of the concrete curing process in order to ensure maximum strength. During this phase, multiple needle penetration tests provide a reliable indication of texture, and can be considered in conjunction with other tests as the mixture hardens over time.

Mecmesin's BSP penetrometer provides accurate readings of forces required to penetrate sprayed or poured concrete during the first three hours of curing, giving a reliable indication of compressive strength and curing progress. Its accuracy and portability make it ideal for on-site testing to BS ISO 14488 method A.

Concrete penetration testing ensures:

- Accuracy and repeatability
- Optimum reliability
- Optimum safety
- Minimising of costly down time
- Consistent quality in concrete layers
- Compliance with recognised standards
- Simple operation suitable for unskilled staff






Key Features

- Sturdy, cleanable, and portable design
- Built-in loadcell for easy fixture-swapping
- RS232 data output to printer or SPC systems
- Live display for instant monitoring
- Measurement units in N, kN, mN, lbf, kgf or gf
- Versatility for multiple applications
- Resolution 1:5000

Contact Mecmesin today

sales@mecmesin.com • +44 (0) 1403 799979 • www.mecmesin.com

Mecmesin BSP includes:

BFG Force Gauge	Description	Part Number
	Accuracy $\pm 0.25\%$ Available in: • 500 N • 1000 N	853-413 853-414
Penetrometer needle		
	Thread diameter M8 Needle diameter 3mm Top angle 60° Length 15mm Includes 15 penetration rods	PDV7120
Grip accessory		
	Dual handle to aid uniform insertion force	432-388

Why Choose Mecmesin?

Aside from ensuring product integrity and usability, Mecmesin test solutions offer:

- Cost-effectiveness
- 24 month warranty on equipment
- Factory calibration certificates included at no additional cost
- Expert global after sales service

Mecmesin - a world leader in affordable force and torque testing solutions

Since 1977, Mecmesin has assisted thousands of companies achieve enhanced quality control in design and production. The Mecmesin brand represents excellence in accuracy, build, service, and value. In production centres and research labs worldwide, designers, engineers, operators, and quality managers endorse Mecmesin force and torque testing systems for their high performance across countless applications.



Visit Mecmesin at www.mecmesin.com

datasheet ref: 431-428-01