

ASTM D 5 - ISO EN 1426 - IP 49 - DIN 52010 & D 217 - ISO 2137 - IP 50 - DIN 51580 & D 937 - IP 179 - DIN 51579 & D 1321 - ISO 3992 - DIN 51579 & D 1403- ISO 6298 - IP 310

SCOPE

This test method covers determination of the penetration of semi-solid and solid bituminous materials.

**PENETROMETER – MANUAL MODEL
- 941731 -**

MAIN CHARACTERISTICS

Manual penetrometer including a large table on levelling feet with spirit level, a manual release mechanism and a dial indicator in $\mu 0.01$ mm. Outfit comprising needle, holder, sample containers & 50 g weight to be ordered separately.

ADDITIONAL ACCESSORIES AND OPTIONS

REF 27674	Transfer bath, made of glass - to be connected to a water bath
REF 27673	Transfer bath support with holes diameter 165 x 35 mm for 5 containers
REF 29396	Constant temperature water bath (range: -25 to +150°C) - Model RE 1225S -
REF 11504	ASTM thermometer (17 C)
REF 11532	ASTM thermometer (63 C)
REF 11533	ASTM thermometer (64 C)



ORDERING INFORMATION

REF 941731

(W) 180x (D) 180x (H) 560 mm (\pm 5.6 kg)

CONTACT : sales@normalab.com

NORMALAB FRANCE SAS
ZA Caux Multipôles 1 - F-76 190 Valliquerville
Tel. : +33 232 700 100
Fax : +33 232 704 732

www.normalab.com

Manual Penetrometer Leaflet 15

DISTRIBUTED BY

ACCESSORIES AND CONSUMABLES for Bitumen (ASTM D5)

REF 518063	Standard needle 2.5 g (up to 350 units)
REF 941737	Needle holder 47.5 g (1 supplier with main equipment)
REF 941810	Outfit for penetration of bituminous material, comprising: needle, holder, 50 g weight and 2 containers
REF 941812	Additional weight 100 g
REF 941815	Additional weight 50 g
REF 9418140	Long needle 2.5 g (up to 500 units)
REF 21712	Pack of 300 Sample containers only one use, 55x35 mm
REF 518066	Aluminium container, 55 X 35 mm,
REF 9418181	Aluminium container, 55x70 mm (>200 units)
REF 9418191	Aluminium container, 55x57 mm (up to 500 units)
REF 21932	Standard needle 2.5 g (up to 350 units) with UKAS Certificate



ACCESSORIES (for lubricating greases - ASTM D 217)

REF 941739	Grease cutter with blade
REF 941736	Outfit for consistency of lubricating grease comprising: cone, holder and container
REF 941737	Cone holder, nickel-plated brass, movable, 47.5 g
REF 941738	Standard cone 102.5 g
REF 9417411	Sample container, 76x63 mm
REF 27322	Spatula 30x200 mm

REF 941735

ACCESSORIES (for consistency of petroleum - ASTM D 937)

REF 941735	Outfit for consistency of petroleum, comprising: cone, holder and container
REF 941737	Cone holder, nickel-plated brass, movable, 47.5 g
REF 941738	Standard cone 102.5 g
REF 9417412	Sample container 100 x 65 mm with cover
REF 518063	Standard needle 2.5 g (up to 350 units)
REF 518081	Needle with shoulder 2.5 g, stainless steel



REF 941811

ACCESSORIES (for consistency of petroleum waxes - ASTM D 1321)

REF 941811	Outfit for consistency of petroleum waxes comprising: shouldered needle, container, weight & holder
REF 941816	Needle with shoulder 2.5 g, stainless steel
REF 941737	Cone holder, nickel-plated brass, movable, 47.5 g holder
REF 941815	Additional weight 50 g
REF 941820	Sample container with base plate
REF 21932	Needle 2,5g with certificate

ACCESSORIES (Penetration tests using one-quarter or one-half scale cone equipment - ASTM D 1403)

REF 941742	1/4 scale cone (9.38 g)
REF 941743	1/2 scale cone (37.5 g)
REF 27322	Spatula 30 x 200 mm
REF 9417421	1/4 scale grease worker (manual operation)
REF 9417431	1/2 scale grease worker (manual operation)

CONTACT : sales@normalab.com

NORMALAB FRANCE SAS
ZA Caux Multipôles 1 - F-76 190 Valliquerville
Tel. : +33 232 700 100
Fax : +33 232 704 732

www.normalab.com

Manual Penetrometer Leaflet 15

DISTRIBUTED BY