

**CONSOLIDATION TEST
SET**



SOIL

Consolidation (Front Loading Oedometer) Test Set



PRODUCT MODEL

TMS-4110 | Consolidation (Front Loading Oedometer) Test Set

TMS-4111 | Oedometer

TMS-4112 | Bench for Consolidation, 3 Oedometer Capacity

TMS-4113 | Consolidation Cell for High Pressure, Ø 50 mm

TMS-4114 | Consolidation Cell for High Pressure, ASTM Ø 63.5 mm (2.5")

TMS-4115 | Consolidation Cell for High Pressure, BS/EN, Ø 75 mm

TMS-4116 | Calibration Disc for Ø 50 mm Consolidation Cell

TMS-4117 | Calibration Disc for Ø 63,5 mm Consolidation Cell

TMS-4118 | Calibration disc for Ø 75 mm Consolidation Cell

TMS-4122 | Set of Weight for Consolidation - 50 kg (3x10 kg + 2x5 kg + 3x2 kg + 2x1 kg + 3x500 g + 2x250 g)

TMS-4124 | Set of Weight for Consolidation - 80 kg (6x10 kg + 2x5 kg + 3x2 kg + 2x1 kg + 3x500 g + 2x250 g)

TMG-0936 | Analog Dial Gauge, 30x0.01 mm

TMG-0938 | Digital Dial Gauge 25 x 0.01 mm - LCD Display - Data Output

Consolidation (Front Loading Oedometer) Test Set

INFORMATION

Manufacturer : TESTMAK INS.LAB.MAK.SAN.VE TİC. PAZ. İTH. İHR. LTD. STİ

Country of Origin : TURKEY

Product Name: Consolidation (Front Loading Oedometer) Test Set

Code of Product: TMS-4110

STANDARDS

BS 1377 | ASTM D2435, D3877, D4546 | AASHTO T216

DESCRIPTION

The Consolidation test is used to determine the consolidation characteristics of soils of low permeability. The TMS-4110 Front Loading Oedometer is rigidly constructed to ensure minimum frame distortion. The frame is designed to load the specimen through a lever arm assembly and one of three alternative beam ratios as 9:1, 10:1 and 11:1. The beam is fitted with a counter balance weight and beam support jack. The cell platform will accept the complete range consolidation cells and is fitted with a central spigot to ensure accurate centering of the cell under the loading.

The TESTMAK fixed ring consolidation cells are manufactured from corrosion-resistant materials and conform to the requirements of the relevant standards. An integral water reservoir is incorporated in the cell which allows the specimen to be inundated when required. All cells are supplied complete with upper and lower porous disc, pressure pad and cutting (specimen) ring.

Consolidation cell, dial gauge or displacement transducer and data logger, bench, weights, apparatuses for prepare Consolidation samples and calibration disc should be ordered separately.

TMS-4110 Front Loading Oedometer (Consolidation) Set is supplied complete with;

- TMS-4111 | Oedometer - 1 pcs
- TMS-4112 | Bench for Consolidation, 3 Oedometer Capacity - 1 pcs
- TMS-4114 | Consolidation Cell for High Pressure, ASTM Ø 63.5 mm (2.5") - 1 pcs
- TMS-4117 | Calibration Disc for Ø 63,5 mm Consolidation Cell - 1 pcs
- TMS-4124 | Set of Weight for Consolidation - 50 kg (6x10 kg + 2x5 kg + 3x2 kg + 2x1 kg + 3x500 g + 2x250 g)
- TMG-0936 | Analog Dial Gauge, 30x0.01 mm - 1 pcs

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TECHNICAL SPECIFICATIONS

Cell P.Code	TMS-4113	TMS-4114	TMS-4115
Application	High Pressure	ASTM	BS/EN
Specimen Diameter	50 mm	63,5 mm	75 mm
Specimen Area	1963 mm	4.906 inch	4416 mm
Beam Ratio	10:1	11:1	9:1
Total Load	64 kg	64 kg	80 kg
Stress	32 kg/cm ²	20 t/ft ²	20 t/ft ²
Stress for 1 kg	0,5 kg/cm ²	0.3125 ton/ft ²	0,2 cm ²

Technical Specification	
Dimensions	750x850x1400 mm (3 pcs TMS-4111 +TMS-4112 + Accessories)
Weight (approx)	180 kg (3 pcs TMS-4111 +TMS-4112 + Accessories)

P.Code	Sets of Weight for Consolidation	
TMS-4120	16 kgf Set	(2) 5 kg, (1) 2 kg, (2) 1 kg, (3) 0,5 kg, (2) 0,25 kg
TMS-4121	32 kgf Set	(1) 10 kg, (3) 5 kg, (2) 2 kg, (1) 1 kg, (3) 0,5 kg, (2) 0,25 kg
TMS-4122	50 kgf Set	(3) 10 kg, (2) 5 kg, (3) 2 kg, (2) 1 kg, (3) 0,5 kg, (2) 0,25 kg
TMS-4123	64 kgf Set	(4) 10 kg, (3) 5 kg, (2) 2 kg, (3) 1 kg, (3) 0,5 kg, (2) 0,25 kg
TMS-4124	80 kgf Set	(6) 10 kg, (2) 5 kg, (3) 2 kg, (2) 1 kg, (3) 0,5 kg, (2) 0,25 kg



TESTMAK
MATERIAL TEST EQUIPMENTS

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