



Typical CU Triaxial, 1-Cell Setup using HM-3000.3F

Part #	Qty	Description
HM-3000.3F	1	Digital MasterLoader 110/220V
HM-3003SW	1	CU Triaxial Reporting Software
HM-4150	1	FlexPanel I (3-Burette Panel)
HM-4199B	1	Triaxial Cell, Brass Fittings
HM-4199.XX	1	Top Cap & Base
HM-2300.020	1	S-Type Load Cell, 2,000lbf (50 kN)
HM-2310.20	1	Strain Transducer 2" (50mm)
HM-4170	1	Pore Pressure Transducer 200 PSI
HM-4178BRT	1	Displacement Transducer Bracket
HM-200387	1	Ball Seat Adapter

Typical UU Triaxial, 1-Cell Setup using HM-3000.3F

Part #	Qty	Description
HM-3000.3F	1	Digital MasterLoader 110/220V
HM-3002SW	1	UU Triaxial Reporting Software
HM-4140	1	FlexPanel I (3-Burette Panel)
HM-4199B	1	Triaxial Cell, Brass Fittings
HM-4199.XX	1	Top Cap & Base
HM-2300.020	1	S-Type Load Cell, 2,000lbf (50 kN)
HM-2310.20	1	Strain Transducer 2" (50mm)
HM-4179.XX	2	Acrylic Base Disk
HM-4178BRT	1	Displacement Transducer Bracket
HM-200387	1	Ball Seat Adapter

Typical Unconfined Compression Setup using HM-3000.3F

Part #	Qty	Description
HM-3000.3F	1	Digital MasterLoader 110/220V
HM-3004SW	1	UC Triaxial Reporting Software
HM-2300.020	1	S-Type Load Cell, 2,000lbf (50 kN)
HM-2310.20	1	Strain Transducer 2" (50mm)
HM-4178BRT	1	Displacement Transducer Bracket
HM-2002	1	Unconfined Upper Platen

Typical Triaxial Sample Prep Items

Part #	Qty	Description
HM-4180.XX	1	Membranes, 12/pk
HM-4181.XX	1	Membrane Stretcher
HM-4182.XX	1	O-Rings, 12/pk
HM-4184.XX	2	Porous Stone
HM-4187E	1	De-Airing Tank, 6 Liter, 110V
HM-3847.XX	1	Split Miter Box
HM-4189.XX	1	Filter Paper, 100/pk
HM-4189FS	1	Filter Strips 5 x 150mm 100/pk

Part Numbers ending in .XX require a size code to be entered referring to the sample size to be tested. For Triaxial samples, sizes are: .14 = 1.4"; .15 = 1.5"; .20 = 2.0"; .25 = 2.5"; .28 = 28"; .30 = 3.0".40 = 4.0"; .35 = 35mm; .38 = 38mm; .50 = 50mm; .70 = 70mm, and .100 = 100mm.



Triaxial Setup using the HM-3000.3F Load Frame

Pictured is the HM-3000.3F Load frame with a typical Triaxial setup. See the charts to the left for items to order for the setup shown.

Specifications

Dimensions (l x w x h)	17 x 19 x 59 inch (430 x 480 x 1500mm)
Platen Travel	4 inches (100mm) Max.
Net Weight	240 lbs. (110Kg)
Shipping Weight	285 lbs. (130Kg)
Speed Range	0 - 3.0000 inch/min (0 - 75.0000 mm/min)
Load Capacity	11000 lbf (50 kN)
Vertical Clearance	40 inch (1000mm) Max.
Horizontal Clearance	15 inch (380mm)
Voltage	110/220 VAC 50/60HZ
Current	8.5 Amps
Analog to Digital Converter	16 Bit
Data Storage	4000 Readings
Data Collection Rate	100 ms
Computer Port	RS232

Covers: CBR, UU, CU, CD, UC, Marshall and Hveem Tests  
ASTM: D1883, D2850, D2166, D4767, and D1559  
AASHTO: T193, T296, T297, T208, T245, and T246  
BS 1377: Part 4: 1990, BS 1377: Part 7: 1990,  
BS 1377: Part 8: 1990, BS 598: Part 107