



**EIE INSTRUMENTS PVT. LTD.**  
(An ISO 9001:2015 Certified Company)

**Laboratory Equipments for Tiles &  
Ceramic Testing/Packaging Test Equipments**



**NABL  
Calibration Services**

## Laboratory Equipments for Tiles & Ceramic Testing/Packaging Test Equipments

Dear Sir,

Established since 1977, We are one of the major manufacturers and suppliers of Cement Testing Laboratory Equipments as per BIS/ASTM/ISO/DIN and other international standards.

### Approved Vendors to

Simpolo, Kajaria, Asian Granito, Bell Granito, Rak, Prism Jhonson, Cera, Italia, Pavit, Kohler, Toto, Somany, Century, Silica, Cgcri, etc.

### Our strength

- Experience of over 40 years
- Original Equipment Manufacturer (OEM)
- Large scale Manufacturing facility built on enormous 50000 square feet factory area
- NABL accredited Calibration Lab
- Strong team of 250+ experienced and dedicated professionals
- Committed to Services

Product List and few catalogs enclosed.

### Please call us for

- Laboratory Instrument supply
- Laboratory Instrument Service and AMC
- Annual Calibration and Validation services

Thanks and regards,

**Deepak Parikh**

9824041391



# Tiles & Ceramic Testing/Packaging Test Equipments

Sr. No.	Model No.	Name of Product Tiles/Ceramics Testing Lab Instruments
1	TC-101-M60	APP FOR MEASUREMENT OF SURFACE FLATNESS AND WARPAGE (BIS 13630 PART-1) (EN ISO 10545-2)-(600 X 600 MM)
2	TC-101-M80	APP FOR MEASUREMENT OF SURFACE FLATNESS AND WARPAGE (BIS 13630 PART-1)(EN ISO 10545-2)-(800 X 800 MM)-
3	EIE-101-M100	APP FOR MEASUREMENT OF SURFACE FLATNESS AND WARPAGE (BIS 13630 PART-1) (EN ISO 10545-2)-(1000 X 1000 MM)
4	TC-101-M80X120	APP FOR MEASUREMENT OF SURFACE FLATNESS AND WARPAGE (BIS 13630 PART-1) (EN ISO 10545-2)-(800 X 1200 MM)
5	TC-101-M120	APP FOR MEASUREMENT OF SURFACE FLATNESS WARPAGE (BIS 13630 PART 1) (EN 10545-2)-(1200 X 1200 MM)
	OPTIONAL	PC SOFTWARE FOR (UNIVERSAL GAUGE) / (PLUCOMETER) / (DIMENSION MEASUREMENT APPARATUS)
6	TC-101-FAC	APP FOR MEASUREMENT OF SURFACE FLATNESS, STRAIGHTNESS AND LENGTH AND WIDTH (BIS 13630 PART 1)-1200 X 2400 MM
7	TC-102D600	PORTABLE DIGITAL GAUGE-(DIMENSION LINEARITY PLUCOMETER)-BIS 13630 PART-1-EN ISO 10545-2-600 X 600 MM
8	TC-102D450	PORTABLE DIGITAL GAUGE-(DIMENSION LINEARITY PLUCOMETER)-BIS 13630 PART-1-EN ISO 10545-2-450 X 450 MM
9	TC-103NR	WATERBATH FOR WATER ABSORPTION TEST OF CERAMIC TILE-(BIS 13630-2, EN ISO 10545-3)
10	TC-103V	WATERBATH FOR WATER ABSORPTION TEST OF CERAMIC TILE WITH VACUUM PUMP-(ISO 10545-12)
11	TC-104EL30	MOR TESTING MACHINE-500 KGF-UP TO 30 X 30 CM TILES-(ISO 10545-4)-WITH AUTOMATIC PACE RATE CONTROL
12	TC-104EL60	MOR TESTING MACHINE-500 KGF-UP TO 60 X 60 CM TILES-(ISO 10545-4)-WITH AUTOMATIC PACE RATE CONTROL
13	TC-104EL100	MOR TESTING MACHINE-500 KGF-UP TO 100 X 100 CM TILES-(ISO 10545-4)-WITH AUTOMATIC PACE RATE CONTROL
14	TC-104EL80120	MOR TESTING MACHINE-500 KGF-UP TO 80 X 120 CM TILES-ISO 10545-4-WITH AUTOMATIC PACE RATE CONTROL
15	TC-104EL120X120	MOR TESTING MACHINE-500 KGF-UP TO 120 X 120 CM TILES-(ISO 10545-4)-WITH AUTOMATIC PACE RATE CONTROL



Muffle Furnace



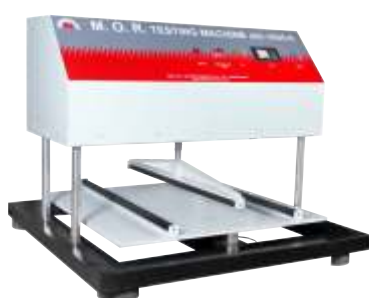
Hot Air Oven



Surface Abrasion Testing Machine

# Tiles & Ceramic Testing/Packaging Test Equipments

Sr. No.	Model No.	Name of Product Tiles/Ceramics Testing Lab Instruments
16	TC-104EH30	MOR TESTING MACHINE-1000 KGF-UP TO 30 X 30 CM TILES-(ISO 10545-4)-WITH AUTOMATIC PACE RATE CONTROL
17	TC-104EH60	MOR TESTING MACHINE-1000 KGF-UP TO 60 X 60 CM TILES-(ISO 10545-4)-WITH AUTOMATIC PACE RATE CONTROL
18	TC-104EH100	MOR TESTING MACHINE-1000 KGF-UP TO 100 X 100 CM TILES-(ISO 10545-4)-WITH AUTOMATIC PACE RATE CONTROL
19	TC-104EL80120	MOR TESTING MACHINE-1000 KGF-UP TO 80 X 120 CM TILES-ISO 10545-4-WITH AUTOMATIC PACE RATE CONTROL
20	TC-104EH120120	MOR TESTING MACHINE-1000 KGF-UP TO 120 X 120 CM TILES-ISO 10545-4-WITH AUTOMATIC PACE RATE CONTROL
21	TC-104EH60S	MOR TESTING MACHINE-1000 KGF-UP TO 60 X 60 CM TILES-SERVO CONTROLLED (BIS 13630 PART 6, ISO 10545-4)
22	TC-104EH100S	MOR TESTING MACHINE-1000 KGF-UP TO 100 X 100 CM TILES-SERVO CONTROLLED (BIS 13630 PART 6, ISO 10545-4)
23	TC-104EC	MOR TESTING MACHINE-500 KGF-FOR CERAMIC BAR
24	TC-104EGLC	MOR TESTING MACHINE-50/500 KGF-FOR GREEN/FIRED CERAMIC BAR
25	TC-105	BALL RELEASE FOR IMPACT RESISTANCE OF TILES - (BY MEASUREMENT OF COEFFICIENT OF RESTITUTE) - (BIS 13630 PART 14, ISO 10545-5)
26	TC-106	DEEP ABRASION MACHINE FOR UNGLAZED TILES
27	TC-107(1)	ABRASION TESTING MACHINE FOR GLAZED TILES-(SINGLE SAMPLE)-(BIS 13630-11, EN ISO 10545-7)
28	TC-107E4	ABRASION TESTING MACHINE FOR GLAZED TILES-(4 SAMPLES)-(BIS 13630-11, EN ISO 10545-7)
29	TC-107E8	ABRASION TESTING MACHINE FOR GLAZED TILES-(8 SAMPLES)-(BIS 13630-11, EN ISO 10545-7)
30	TC-107(VP)	ABRASION TESTING MACHINE FOR VITREOUS AND PORCELAIN ENAMEL COATINGS - 06 SAMPLES - (ISO 6370-1)
31	TC-108	VISUAL ASSESSMENT CABINET AS PER BIS 13630 (PART XI)
32	TC-110 (600 X 600)	DETERMINATION OF RESISTANCE TO THERMAL SHOCK-(BIS 13630 PART-5, EN ISO 10545-9)-(600 X 600 MM TILE)



**MOR Testing Machine**



**Manual Universal Gauge (Plucometer)**

# Tiles & Ceramic Testing/Packaging Test Equipments

Sr. No.	Model No.	Name of Product Tiles/Ceramics Testing Lab Instruments
33	TC-110 (1000 X 1000)	DETERMINATION OF RESISTANCE TO THERMAL SHOCK- (BIS 13630-5, EN ISO 10545-9)-(1000 X 1000 MM TILE)-
34	TC-110 (800 X 1200)	DETERMINATION OF RESISTANCE TO THERMAL SHOCK- (BIS 13630-5, EN ISO 10545-9)-(800 X 1200 MM TILE)
35	TC-110 (1200 X 1200)	DETERMINATION OF RESISTANCE TO THERMAL SHOCK- (BIS 13630 PART-5, EN ISO 10545-9)-(1200 X 1200 MM TILE)
36	TC-110 (1200 X 2400)	DETERMINATION OF RESISTANCE TO THERMAL SHOCK - BIS 13630 PART-5, EN ISO 10545-9 - UP TO 1200 X 2400 MM TILE
37	TC-111	DETERMINATION OF MOISTURE EXPANSION USING BOILING WATER FOR UNGLAZED TILE-(BIS 13630-3, EN ISO 10545-10)
38	TC-112DP15	TILES AUTOCLAVE - (CRAZING TEST AUTOCLAVE) - 250MM DIA X 350MM DEPTH-
39	TC-112DP43	TILES AUTOCLAVE - (CRAZING TEST AUTOCLAVE) - 350MM DIA X 450MM DEPTH
40	TC-112DP87	TILES AUTOCLAVE - (CRAZING TEST AUTOCLAVE) - 450MM DIA X 550MM DEPTH
41	TC-112DP147	TILES AUTOCLAVE - (CRAZING TEST AUTOCLAVE) -500MM DIA X 750MM DEPTH
42	TC-112SW	AUTOCLAVE FOR SANITARY WARE
43	TC-113FA	DETERMINATION OF FROST RESISTANCE-(BIS 13630-10, EN ISO 10545-12)
44	TC-115-100	DENSITY CUP S.S. - 100 CC
45	TC-115-250	DENSITY CUP S.S. - 250 CC
46	TC-115-100	DENSITY CUP S.S. - 500 CC
47	TC-115-100	DENSITY CUP S.S. - 1000 CC
48	TC-116-4	FLOW CUP VISCOMETER - B-4 TYPE WITH STAND, AS PER IS 3944/BS 3900
49	TC-116-10	FLOW CUP VISCOMETER - B-10 TYPE WITH STAND, AS PER IS 3944
50	TC-117	REFLECTANCE METER/WHITENESS METER-
51	TC-118	APP. FOR DETERMINATION OF BULK DENSITY OF TILE (BIS 13630 PART 2)
52	TC-119	BULK DENSITY APPARATUS FOR GREEN CERAMIC TILES-(MERCURY METHOD)
53	TC-120	BUTTON PRESS (HYDRAULIC) - 5 TONE (50 KN)
54	TM-157/158	SIEVE SHAKER-GYRATORY-FOR 20CM DIA SIEVES WITH DIGITAL TIMER
55	TM-084©	INFRA RED MOISTURE BALANCE - 25 GM-
56	EIE-108DP2.25	REFRACTORY FURNACE-9" X 4" X 4"-1200°C-DIGITAL



**Ball Release Test Apparatus  
(Co-efficient of Restitution)**



**Thermal Shock Tank**



**Tiles Autoclave**



# Tiles & Ceramic Testing/Packaging Test Equipments

Sr. No.	Model No.	Name of Product Tiles/Ceramics Testing Lab Instruments
57	EIE-108DP4	REFRACTORY FURNACE-10" X 5" X 5"-1200°C-DIGITAL
58	EIE-108DP7	REFRACTORY FURNACE-12" X 6" X 6"-1200°C-DIGITAL
59	EIE-108DP12	REFRACTORY FURNACE-12" X 8" X 8"-1200°C-DIGITAL
60	EIE-108DP23	REFRACTORY FURNACE-18" X 9" X 9"-1200°C-DIGITAL
61	EIE-108HDP2.25	HIGH TEMP. FURNACE-(1400 DEG C)-(9" X 4" X 4")
62	EIE-108HDP7	HIGH TEMP. FURNACE-(1400 DEG C)-(12" X 6" X 6")
63	EIE-108HDP12	HIGH TEMP. FURNACE-(1400 DEG C)-(12" X 8" X 8")
64	EIE-108HDP23	HIGH TEMP. FURNACE-(1400 DEG C)-(18" X 9" X 9")
65	EIE-101DP92	HOT AIR OVEN-DIGITAL-45X45X45 CM-250C-INNER S.S. CHAMBER
66	EIE-101DP121	HOT AIR OVEN-DIGITAL-60X45X45 CM-250C-INNER S.S. CHAMBER
67	EIE-101DP216	HOT AIR OVEN-DIGITAL-60X60X60 CM-250C-INNER S.S. CHAMBER
68	EIE-101DP324	HOT AIR OVEN-DIGITAL-90X60X60 CM-250C-INNER S.S. CHAMBER



**Water Absorption Test  
(Vacuum Test Method)**



**Water Absorption Test  
(Boiling Water Method)**



**Muffle Furnace**



**Hot Air Oven**



**Surface Abrasion  
Testing Machine**

# Tiles & Ceramic Testing/Packaging Test Equipments

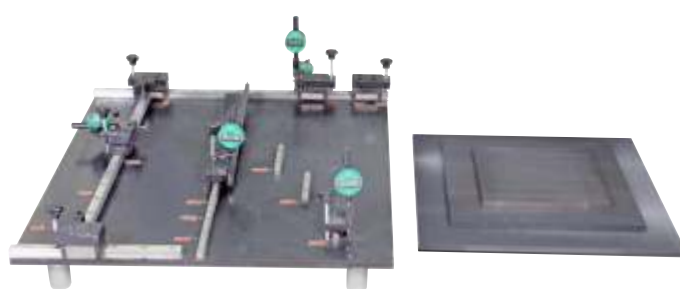
Sr. No.	Model No.	PAPER AND PACKAGING TEST EQUIPMENTS
1	EIE-PT-101SH25	BURSTING STRENGTH TESTER-25 KG/CM2-FULLY AUTOMATIC OPERATION
2	EIE-PT-101SH50	BURSTING STRENGTH TESTER - 50 KG/CM2 - FULLY AUTOMATIC OPERATION
3	EIE-PT-103DP100	BOX COMPRESSION STRENGTH TESTER-1000 X 1000 MM
4	EIE-PT-103DP60	BOX COMPRESSION STRENGTH TESTER-600 X 600 MM
5	EIE-PT-103DP45	BOX COMPRESSION STRENGTH TESTER-450 X 450 MM
6	EIE-PT-104	PAPER TUBE & PAPER CONE COMPRESSION TESTER-COLLAPSE TESTER
7	EIE-PT-105	COBB SIZING TESTER-(WATER ABSORPTION TEST OF PAPER)-(TAPPI T441)
8	EIE-PT-109A	PACKAGE DROP TESTER-1.5 METER-(MOTORIZED HEIGHT ADJUSTMENT)-(WITH PNEUMATIC RELEASE MECHANISM)
9	EIE-PT-110D	CRUSH RESISTANCE TESTER - DIGITAL MODEL - 500 KGF - RCT, ECT, FCT, PAT TESTER
10	EIE-PT-114DL50	VIBRATION TESTER-50 KG-LARGE PLATFORM SIZE-800 X 600 MM-L X W
11	EIE-PT-114DS50	VIBRATION TESTER-50KG-SMALL PLATFORM SIZE-500 X 500MM
12	EIE-PT-115DP25	TENSILE TESTING MACHINE-0.25 KN-WITH PC INTERFACE AND SOFTWARE
13	EIE-PT-115DP50	TENSILE TESTING MACHINE-0.5 KN-WITH PC INTERFACE AND SOFTWARE
14	EIE-PT-115DP100	TENSILE TESTING MACHINE-1.0 KN-WITH PC INTERFACE AND SOFTWARE
15	EIE-PT-115DP250	TENSILE TESTING MACHINE-2.5 KN-WITH PC INTERFACE AND SOFTWARE
16	EIE-PT-115DP500	TENSILE TESTING MACHINE-5 KN-WITH PC INTERFACE AND SOFTWARE
17	EIE-PT-115DP1000	TENSILE TESTING MACHINE-10 KN-WITH PC INTERFACE AND SOFTWARE
18	EIE-PT-115DP2500	TENSILE TESTING MACHINE-25 KN-WITH PC INTERFACE AND SOFTWARE
19	EIE-PT-115DP5000	TENSILE TESTING MACHINE-50 KN-WITH PC INTERFACE AND SOFTWARE
20	EIE-PT-115DP10000	TENSILE TESTING MACHINE-100 KN-WITH PC INTERFACE AND SOFTWARE
21	EIE-PT-115DL530	UNIVERSAL TESTING MACHINE-DUAL LOAD CELLS-5KN, 30KN-BIS 15477-2019-FOR TENSILE AND SHEAR ADHESION TEST
22	EIE-PT-116	PIN HOLE TESTER - TABLE TOP MODEL-
23	EIE-GT-104R10D2I	THICKNESS GAUGE-(DIGITAL)-(DEAD WEIGHT TYPE)-(2 KPA)-(1 MICRON X 10 MM)-(INSIZE)
24	EIE-222M	COLLAPSIBILITY TESTER FOR ALUMINIUM SQUEEZE TUBE (ANNEALING TESTER)
25	961	LEAK TEST APPARATUS-DIGITAL-12 INCH DISICCATOR - 961
26	961	LEAK TEST APPARATUS-DIGITAL-8 INCH DESICCATOR - 961
27	961	LEAK TEST APPARATUS-DIGITAL-6 INCH DESICCATOR - 961
28	1961	MICROPROCESSOR LEAK TEST APPARATUS (12" DESICCATOR) - 1961
29	1961	MICROPROCESSOR LEAK TEST APPARATUS (8" DESICCATOR) - 1961



MOR Testing Machine



Manual Universal Gauge (Plucometer)



# Tiles & Ceramic Testing/Packaging Test Equipments

## NABL CALIBRATION SERVICES

Sr. No.	ITEM NAME	Range of Calibration Capability
1	CALIBRATION OF COMPRESSION TESTING MACHINE	Up to 3000 KN
2	CALIBRATION OF UNIVERSAL TESTING MACHINE	Tension Mode :250 N to 50 KN, Compression mode : 250 N to 3000 KN
3	CALIBRATION OF TENSILE TESTING MACHINE	Tension Mode :250 N to 50 KN, Compression mode : 250 N to 3000 KN
4	CALIBRATION OF VIBRATING MACHINE	10 Sec to 1 Hr, 20 rpm to 20000 rpm
5	CALIBRATION OF PROVING RING	Up to 100 KN
6	CALIBRATION OF RPM INDICATOR TACHOMETER	20 to 20000 rpm
7	CALIBRATION OF LABORATORY STIRRER DIGITAL	20 to 20000 rpm
8	CALIBRATION OF FLOCULATOR	20 to 20000 rpm
9	CALIBRATION OF CENTRIFUGE	20 to 20000 rpm
10	CALIBRATION OF PRESSURE GAUGE	1 to 700 bar
11	CALIBRATION OF AUTOCLAVE	80 to 1200°C      1 to 700 bar
12	CALIBRATION OF PRESSURE TRANSMITTER	(0 TO 700 BAR)      1 to 700 bar
13	CALIBRATION OF PRESSURE CALIBRATOR	1 to 700 bar
14	CALIBRATION OF DIAL/DIGITAL VACUUM GAUGE, INDICATORS AND CALIBRATORS	0.9 to 1 bar
15	CALIBRATION OF HUMIDITY CONTROLLER/INDICATOR	10 to 100 %RH
16	CALIBRATION OF THERMO HYGROMETER WITH TIMER	35 to 95 % RH      10 50°C      10 Sec to 1 Hr
17	CALIBRATION OF THERMO HYGROMETER	35 to 95 % RH      1050°C
18	CALIBRATION OF HUMIDITY OVEN	35 to 95 % RH      1050°C
19	CALIBRATION OF WALKINSTABILITY CHAMBER	35 to 95 % RH      1050°C
20	CALIBRATION OF GLASS THERMOMETER (DRY & WET)	80 to 250°C
21	CALIBRATION OF GLASS THERMOMETER	80 to 600°C
22	CALIBRATION OF DIGITAL THERMOMETER	80 to 1200°C



**Ball Release Test Apparatus  
(Co-efficient of Restitution)**



**Thermal Shock Tank**



**Tiles Autoclave**



# Tiles & Ceramic Testing/Packaging Test Equipments

## NABL CALIBRATION SERVICES

Sr. No.	ITEM NAME	Range of Calibration Capability
23	CALIBRATION OF DIGITAL TEMPERATURE INDICATOR WITH SENSOR	200 to 1760 °C
24	CALIBRATION OF RING & BALL (SOFTENING POINT) DIGITAL	200 to 160 °C
25	CALIBRATION OF VISCOSITY BATH	80 to 300°C
26	CALIBRATION OF DEEP FREEZER	80 to 0°C
27	CALIBRATION OF FLASH POINT APPARATUS DIGITAL	80 to 400°C
28	CALIBRATION OF DIAL THERMOMETER	80 to 1200°C
29	CALIBRATION OF TEMPERATURE SCANNER	200 to 1760 °C
30	CALIBRATION OF HOT AIR OVEN DIGITAL	30 to 500°C
31	CALIBRATION OF MUFFLE FURNACE	30 to 1200°C
32	CALIBRATION OF COD DIGESTOR	30 to 200°C
33	CALIBRATION OF WATERBATH	80 to 100°C
34	CALIBRATION OF BOD INCUBATOR	10 to 100°C
35	CALIBRATION OF DUCTILITY TESTING MACHINE DIGITAL	10 to 50 °C
36	CALIBRATION OF VACUUM OVEN	30 to 200°C
37	CALIBRATION OF REFRIGERATOR	80 to 10°C
38	CALIBRATION OF LOW TEMPERATURE BATH	80 to 10°C
39	CALIBRATION OF ACCELERATED CURING TANK	30 to 100°C
40	CALIBRATION OF THIN FILM OVEN	30 to 200°C
41	CALIBRATION OF BACTERIOLOGICAL INCUBATOR	30 to 100°C
42	CALIBRATION OF DIGITAL TIMER	10 sec to 1 hr
43	CALIBRATION OF STOP WATCH DIGITAL	10 sec to 1 hr
44	CALIBRATION OF SIEVE SHAKER TIMER ONLY	10 Sec to 1 Hr
45	CALIBRATION OF STANDARD PENETROMETER Timer only	10 Sec to 1 Hr
46	CALIBRATION OF WEIGHT BOX (UP TO E2 CLASS)	1 mg to 500 g



Muffle Furnace



Hot Air Oven



Surface Abrasion Testing Machine

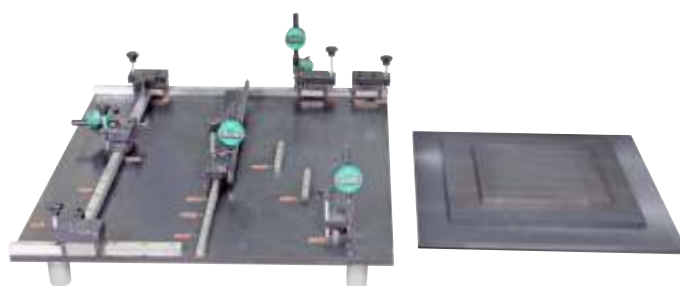
# Tiles & Ceramic Testing/Packaging Test Equipments

## NABL CALIBRATION SERVICES

Sr. No.	ITEM NAME	Range of Calibration Capability
47	CALIBRATION OF ELECTRONIC MICRO BALANCE	1 mg to 5 gm x 0.001 mg
48	CALIBRATION OF ELECTRONIC BALANCE 200 GM	200 g x 0.1 mg
49	CALIBRATION OF ELECTRONIC BALANCE	Up to 50 kg
50	CALIBRATION OF INFRARED MOISTURE BALANCE	Up to 1000 g      30 to 250 °C
51	CALIBRATION OF DIAL GAUGE	0 to 25 mm,      LC: 0.001 mm & Coarser
52	CALIBRATION OF THICKNESS GAUGE / OUTSIDE MICROMETER	0 to 25 mm,      LC: 0.001 mm & Coarser
53	CALIBRATION OF VERNIER CALIPER	0- 300 mmx 0.01 mm
54	CALIBRATION OF MEASURING TAPE	Up to 50 mtr
55	CALIBRATION OF MEASURING SCALE	Up to 50 mtr
56	CALIBRATION OF COARSE SIEVE (10MM TO 150MM) Price per each size	10 mm to 125 mm
57	CALIBRATION OF FINE SIEVE (45 MIC TO 10MM) Price per each size	45 $\mu$ m to 10 mm
58	CALIBRATION OF COATING THICKNESS GAUGE Standard Foils	0.01 to 1 mm
59	SINGLE/MULTI CHANNEL MICRO PIPETTE	1 $\mu$ l to 10 $\mu$ l
60	CALIBRATION OF VOLUMETRIC FLASK	10 $\mu$ l to 2000 ml
61	CALIBRATION OF BURETTE	10 $\mu$ l to 100 ml
62	CALIBRATION OF PIPETTE	10 $\mu$ l to 10 ml
63	CALIBRATION OF MICROPIPETTE	10 $\mu$ l to 2000 ml
64	CALIBRATION OF CBR MACHINE	50 KN 0 - 25 mm,
65	CALIBRATION OF DIRECT SHEAR	50 KN 0 - 25 mm,
66	CALIBRATION OF TRIAXIAL SHEAR	2.0 KN 0 - 25 mm,
67	CALIBRATION OF UNCONFINED COMPRESSION	2.0 KN 0 - 25 mm,
68	CALIBRATION OF SOUND LEVEL METER	94 dB and 114 dB



MOR Testing Machine



Manual Universal Gauge (Plucometer)