

Structural Engineering Laboratory

Product Guide 2016-17

MICRO MECH INSTRUMENTS

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Electrical Strain Gauge With Indicator

- 10 Channel Digital Strain Indicator with Single 4 1/2 Digital Display
- Channel Selection by Selector Switch with independent 0 -10 volts analog output for 0-19,999 micro-Strains,
- Fixed Gauge Factor of 2,
- Bridge resistance of 120/350 ohms,
- Resolution:1 Micro - strain (with gauge Resistance 350 ohms - 100 Nos Connecting wire - 10 Mtr) SPL



Rebound Hammer

Concrete Test Hammer With NCCBM Certificate - AIM 388



Vibration Exciter

- Vibration Exciter (Generator) Model SI 220
- Power Oscillator Model SI 28



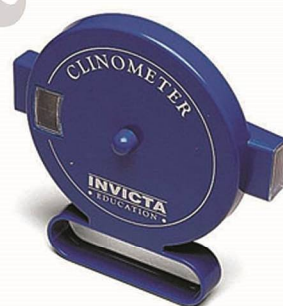
Dial Gauge

- Dial Gauge 25 mm travel
- 0.01 Least Count



Clinometers

- PM-5/360 PC: Scales: $0 \pm 90^\circ$, $0 \pm 150\%$, conversion table: cosines $0-45^\circ$
- PM-5/360 S: Scales: $0 \pm 90^\circ$, secant, conversion table: cosines $0-45^\circ$
- PM-5/400 PC: Scales: 0 ± 100 gons, $0 \pm 150\%$, conversion table $0-50$ gons
- PM-5/6400: Scales: 0 ± 1600 mils, $0 \pm 150\%$
- PM-5/SPC: Scales: secant, $0 \pm 150\%$, conversion table: % – degree



S.No	Name Of The Equipments	Qty
1	Loading Frame - Beam (50 T)	1
2	Loading Frame - Column	1
3	Ultrasonic Pulse Velocity Tester	1
4	Hydraulic Jack (50 T)	1
5	Load Cell (100 T)	1
6	Proving Ring	
	10 T	2
	20 T	1
	50 T	1
7	Demec Gauge - 200 mm	1
8	Electronic Strain Gauge With Indicator	1
9	Rebound Hammer	1
10	Dial Gauge - 25 mm	6
11	Vibration Exciter	1
12	Vibration Meter	1
13	Clinometers	1

Beam Loading Frame

Height : 3 Meter
Capacity : 50 Ton



Accessories Included In The Supply

- Jack Mounting Plates - 2 Nos
- Specimen Support Plates - 2 Nos,
- Specimen Support Stools - 2 Nos
- Plate for 2 point test in beam specimen - 2 Nos
- Tools for assembling and Dismantling

Load Cell

Model : 436 C
Display : 3 1/2 Digital Display
Capacity : 0 - 100 Ton
Cable : 3 meter length
Type : Compression
Pump : Hand Pump
Resolutions : 0.1 Tone with 0-10V DC



Demec Gauge

Demountable Mechanical Strain Gauge, 200mm, Analogue With reference pins, Pack of 100



Column Testing Frame

Height : 5 Meter
Capacity : 100 Ton
Overall Width : 1.6 Meter

Accessories Included In The Supply

- Specimen Support stools - 1 No
- Tools For assembling and dismantling Chain and Pulley arrangement *(for trying position Of Horizontal beam) - 2 ton capacity

Hydraulic Jack

Model : AIM 465
Capacity : 50 Kn
Gage : Yes
Pump : Hand Pump



Proving Ring

Model : 436 C
Display : 3 1/2 Digital Display
Capacity : 0 - 100 Ton
Cable : 3 meter length
Type : Compression
Pump : Hand Pump
Resolutions : 0.1 Tone with 0-10V DC



Vibration Meter

Vibration Measuring System SYSCON
Digital Vibration Indicator Display 3-1/2 Digits,
Model SI1D & Accelerometer
Model - SI627A01

