



6/3 Manoramaganj,
 Indore - 452001 (MP) INDIA
 Tel: (+91)-731-2493592/3, 2490592, 4070019
 Fax: (+91)-731-2490593
 Email: info@choksilab.com

CLL's Calibration Services

If you have an instrument that is not in the list below, please contact us with the details of the instrument to be calibrated, it's parameters to be calibrated (with range & least count).

Industrial Calibration	
S.No.	Instrument Name
Electro-technical	
1	AC/DC Ammeter & Voltmeter (For Single Range)
2	Capacitor Meter
	Clamp Meter
3	HV Tester upto 1000 Volts (Per Range)
4	Frequency Meter
5	Duty Cycle
6	Kelvin Bridge
7	Logic Meter
8	Lux Meter
9	Meggar
10	Microohmmeter (For 3 ranges)
	For Each Additional Range
11	Multimeter
	3 ½ Digit
	4 ½ Digit
	5 ½ Digit
12	MV / mA Source Calibrator
13	Resistance Meter
14	Standard Shunts
15	Tong Tester (Clamp Meter)
16	WheatStone Bridge
17	Thermographs
18	Pressure Transducers / Switches (digital)
19	Temperature Transducers / Switches / Sensors (digital)
20	Humidity Transducers / Switches / Sensors (digital)

Mass	
1	Balance (see under Electronic Balance & Mechanical Balance)
2	Electronic Balance (including GSM balance) * - 4 Digit
	Electronic Balance (including GSM balance) * - 5 & 6 Digit (micro balances)
3	GSM Balance
4	Mechanical Balance
5	Weight Box - M1 / M2
	Weight Box - F1 / F2 Class
	Weight Box – E2 Class
	Weight Box - adjustment charges for weights / per weight
6	Weights (Individual)

Force	
1	Compressive Strength, UPTO 1000KN * / per Range
2	Digital Load Amplifier
3	Impact Machine
4	Proving Ring (Compression) **
	0 To 50 Ton
	0 To 100 Ton
5	Tensile Strength *
	Above 1000 Kg
	UPTO 1000 Kg
	Servicing for Compressive Strength Machine
6	Universal Testing Machine UPTO 1000 KN *

Volume	
1	Container 5/10/15/20 Ltr. Each
2	Glassware (Each item) - Single Point
3	Micropipete (microliters) - Fixed Volume - Single Channel
	Micropipete (microliters) - Fixed Volume - Multiple Channel / per channel
	Micropipete (microliters) - Variable Volume - Single Channel
	Micropipete (microliters) - Variable Volume - Multiple Channel / per Channel

Dimension	
1	Angle
2	Bevel Protector
3	Cube Mould (Dimension)
4	Depth Gauge
5	Dial Gauge / Bore Dial Gauge **
	Upto 2 mm
	Upto 5 mm
	Upto 10 mm
	Upto 25 mm
6	Feeler Gauge
7	Flow Cup (Dimension)
8	Gem Stone Guages
9	Go-NoGo Guages (Plug guages / Snap guages)
10	Lever dial gauge
11	Linear Dimension (Each measurement point)
12	Measuring Tape (UPTO 2 meters)
	Per Extra Meter
13	Micrometer
	Micrometer - Inside
	Micrometer - Outside
	Micrometer - Groove
14	Plunger dial gauge
15	Ring Size Rod
16	Scale (UPTO One Meter) Single Point
17	Vernier Caliper
	Upto 150 mm
	Upto 300 mm
	Upto 600 mm
18	Slip Gauge Set
19	Surface Plate
20	Sieve Shaker
21	Thickness Tester
22	Width gauge

Thermal	
1	Dial Thermometer
2	Digital Temperature Indicator with Probe
3	Differential Thermal Analysis System Differential Thermal Analyser for Oxidation Induction Test (DTAOIT) *
4	Environment Test Chamber *
5	Hygrometer (Wet & Dry Bulb, Dial & Digital)
6	Incubator *
7	Industrial Muffle Furnace *
8	Industrial Oven *
9	Lab Muffle Furnace *
10	Lab Oven *
11	Minimum - Maximum Thermometer **
12	Thermocouple & RTD Sensor
13	Thermometer (Including Clinical) **
	Least Count Above 0.5 Deg C
	Least Count Below 0.5 Deg C
	Least Count Below 0.1 Deg C
14	Vacuum Oven
15	Pyrometer

Miscellaneous	
1	Hydrometer **
2	Digital Moisture teller / Hygrometer
3	Digital LCR Meter
4	Digital Lux Meter (Light)
5	Speedometer (RPM)
6	Spirit Level Size
7	Surface Roughness Tester
8	Water Manometer

Mechanical	
1	Pressure Gauges
	UPTO 10.0 Kg/cm ²
	UPTO 60.0 Kg/cm ²
	UPTO 750.0 Kg/cm ²
2	Centrifuge Machine *
3	Tachometer **
4	Stroboscope **
5	Timer OR Stop Watch
6	Vacuum Gauge
7	Dynamometer (Analog / Digital)
8	Mixer Grinder / Vortex Mixer
9	Ultrasonic Thickness Measuring Gauge
10	Shore D-Hardness Durometer / Hardness Tester
11	Magnehelic Gauges

Analytical Calibration	
1	Atomic Absorption Spectrophotometer (AAS) * (Hydride Generator, Cold Vapour & Flame AA) (Ag, Al, As, Au, Be, B, Ca, Cu, Co, Cd, Cr, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Pd, P, Sb, Se, Si, Sn, Ti, Th, W, Va, Zn – NIST traceable)
2a	Autoclave (Calibration of Temperature and Pressure) *
2b	Autoclave (Validation) - 3 cycles (Multiple points data logging)
3a	BOD Incubator *
3b	BOD Incubator (Validation) - 9 Point (Temperature & Humidity)
4	Conductivity Meter *
a	Traceable to NIST
b	Traceable to AR / GR solutions
5	Dissolution Tester *
a	Calibration of instrument (Temperature, RPM)
b	Validation as per IP / BP / USP (excluding Tablets)
c	Validation as per IP / BP / USP (with Tablets)
6	Disintegration Test Apparatus (as per IP / BP) *
7	Friability Apparatus *
8	FTIR (Wavenumber, Resolution) *
9	GC (Gas Chromatograph) *
a	Flow Rate
b	Detector Response (FID, TCD, ECD, TID, PID)
10	HPLC (High Pressure Liquid Chromatograph) *
a	Pump Calibration
b	Injector Linearity
c	Injector Precision
d	Detector Response
e	<i>Complete Performance Qualification</i> (Additional parameters such as Carry Over Test, Detector Sensitivity, Injector Volume, Loop Calibration, Column Performance Test etc. are also available on request).
11	Karl Fischer Apparatus (Validation as per IP) *
12	pH Meter *
a	Calibration by mV source
b	Validation by buffer solutions (upto 7 points on pH scale)
c	Validation by buffer solution (traceable to NIST), 3 point
13	Melting Point Apparatus *
a	Calibration of Temperature Indicator
b	Validation by Melting Point Standards as per IP / BP
b(i)	- Primary Traceability (each point)
b(ii)	- Secondary Traceability
14	Polarimeter *
15	Refractometer *
16	Spectrophotometer (UV-Vis) *
a	Control of Wavelength
b	Control of Absorbance
c	Limit of Stray light radiation
d	Resolution
e	Additional parameters such as noise, drift, baseline stability also available on request.
17	Viscosity Meter *
	12500, 5000, 1000, 100 cps (each point)
	Factor determination for U-tube viscometers (Ubbelodhe's & Ostwald's)
18	Zone Reader (Anti-Biotic) *
	We can provide 24 hour / 16 point mapping for temperature / humidity / pressure for Lab Ovens, Incubators, Stability Chambers, Environment Chambers

Note: Equipment with asterix (*) are to be calibrated on-site & those with double asterix (**) are to be calibrated at CLL's laboratory.