

Central Scientific Instruments Organisation National Facility for Medical Instruments Calibration

CSIR Complex , 2nd Floor,
Library Avenue, PUSA, New Delhi - 110012

ISO 9001-2000 certified national facility for medical instruments calibration has been established at Delhi Centre. *CSIO's National Facility for Medical Instruments Calibration*, calibrates a wide range of medical equipment to manufacturers specification and the measurements are taken using equipment that has international/national traceability with certification from the agencies like National Institute of Standards and Technology (NIST, USA)/Association for the Advancement of Medical Instrumentation(AAMI)/Underwriters Laboratory(UL)/International Electro technical Commission(IEC)/ Vashisth Calibration Centre etc.





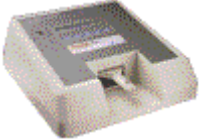

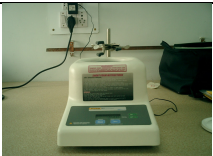
On site & In house test / calibration services are provided by **National Facility for Medical Instruments Calibration**. All our calibrations are **optimized*** thereby helping the beneficiaries of this service in saving their money.

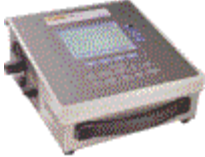




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***Optimisation** is the adjustment made to an instrument, which is either just outside calibration or even still within specification but approaching its limits. By bringing it back to its optimum reading at every calibration, CSIO reduces the risk of an instrument 'drifting' out of specification between calibrations and can even result in extended calibration frequencies.

The Calibration facility is available for the following devices with the measurement parameters shown there in.

ECG Machine	<ul style="list-style-type: none"> • R-wave measurement • 1 mV • Paper Speed • ST-segment elevation • damping 	
Bedside Monitor	<ul style="list-style-type: none"> • ECG: 36Arrhythmia selection (Accuracy: All amplitudes +/- 2%, All rates & widths +/- 1%) • Respiration • Invasive Blood Pressure • Temperature 	
Defibrillator	<ul style="list-style-type: none"> • Delivered Energy • Charge Time 	
Neonatal Incubators /Radiant Warmer	<ul style="list-style-type: none"> • Temperature • Relative Humidity • Air Flow • Sound 	
Pulse Oximeter	<ul style="list-style-type: none"> • Testing of all kinds of pulse oximeters available in market. • Probe testing 	
Surgical Diathermy / Electro-surgical Unit	<ul style="list-style-type: none"> • Generator output • HF Leakage Current • Contact Quality Monitor 	
Ultrasonic Therapy Units	<ul style="list-style-type: none"> • Delivered Watts using various transducer heads of different sizes 	

<p>Ventilator / Anesthesia Ventilator / Vacuum Systems / Flow meters / Pressure Gauges</p>	<ul style="list-style-type: none"> • Pressure • Flow • Volume • Oxygen Concentration 	
<p>Infusion Pump / Syringe Pump</p>	<ul style="list-style-type: none"> • Delivered Volume • Flow Rate • Bolus Measurement 	
<p>Electrical Safety of Medical Equipments</p>	<ul style="list-style-type: none"> • Earth / Chassis Resistance • Insulation resistance • Earth Leakage Current • Chassis Leakage Current • ECG Lead Leakage Current 	

Contact Person: H.K.PIR, Scientist Incharge
Tel (O) : (91)-011-25733791, (91)-011-25733794
Tel (R) : (91)-011-27865729
T. Fax : (91)-011-25846290
Email : hkpir1@gmail.com, hkpir@yahoo.co.in