



# Calibration, Qualification and Preventive Maintenance Services Overview





**PVSR Corporation**, recently certified as an ISO 9001 organization is emerging as an innovator providing the Pharmaceutical, Medical Devices and Biotechnology Industries support, services, education, and solutions while performing as the benchmark for the future of pharmaceutical validation, resources, and training provider quality and standards. PVSR Corporation has leveraged its competitive advantage by launching PVSR Metrology that provides On-Site and Field Calibration Services.

PVSR Metrology offers complete solutions for calibration and repair of analytical and process instrumentation. Our services cover the full range of calibration needs, from basic instrument calibration to complete management of calibration programs. PVSR also is specialized projects development, execution, startup and commissioning.

Our laboratory currently provides instrument calibration and qualification services to pharmaceuticals, water treatment plants, clinical laboratories, hospitals, universities, research & development, and manufacturing industries. On site instrument calibration and reparation services are available for process and analytical instruments that require controlled environmental and special conditions. If you have any special needs do not hesitate to contact us for a free consultation.

#### **PVSR Metrology Provides full GMP Calibration and Repair Services:**

- NIST Traceable Calibration compliant with the requirements of ANSI/ISO/ASQ Q9001-2000 including "As Found" test data report for out of tolerance instrument conditions.
- NIST Traceable Calibration compliant with the requirements of ANSI/NCSL Z540-1-1994 including complete "As Found" and "Final" test data reports of all instrument conditions.
- Pick-up and delivery services (call for details).
- Rush same or next day calibration service available (call for details).
- Automatic Recall Notice for equipment approaching its calibration due date provided 45 days prior to calibration due dates.
- Computer generated Certificates of Calibration and Calibration Labels improve legibility and durability.
- PVSR provides a free on-line service to access detailed reports, such as; Calibration Certificates, Out of tolerance report, Invoicing information, Equipment status, Calibration due date of the instruments previously calibrated.



## Calibration Capabilities Includes:

### Temperature / Humidity

#### Calibration capabilities including:

- Ellab Temperature Probes and equipments
- Precession RTD Probes
- Chart Recorder Calibration
- Data loggers Calibration
- Dial Thermometer Calibration
- Glass Thermometer Calibration
- Humidity Transmitter Calibration
- Infrared Thermometer Calibration
- Psychomotor Calibration
- RH Meter Calibration
- Temperature Meter Calibration
- Temperature Controller Calibration
- Temperature Indicator Calibration
- Temperature Transmitter Calibration
- Kaye Validator Equipment
- Kaye IRTD
- Thermocouple Calibration
- Dry Block and water Bath
- And Others

#### Pressure calibration capabilities including:

- Pressure Meter Calibration
- Pressure Gage Calibration
- Tire Pressure Gage Calibration
- Vacuum Gage Calibration

- Manometer & Micromanometer Calibration
- Pressure Relief Valve Calibration
- Pressure Transducer Calibration
- Vacuum Transducer Calibration
- Pressure Transmitter Calibration
- And Others

#### Flow Calibration capabilities including:

- Air Duct Flow Hood Calibration
- Anemometer Flow Calibration
- Flow Meter Calibration (gas & liquid)
- Laminar Flow Meter & Element Calibration
- Rotometer Flow Calibration
- Thermal Mass Flow Meter Calibration
- Thermo-Anemometer Calibration
- Turbine Flow Meter Calibration
- Ultrasonic Flow Gauge Calibration
- Velocity Meter Calibration
- Open Channel Flow Meter
- Ventury Flow Meter
- And Others



### Process Instruments Calibration capabilities including:

- Control Valves
- On/Off Valves
- Level Switches
- Level Transmitter
- Scale and Balances
- I/P Transducer
- Tanks and Reactors
- Weight Transmitter
- Open Channel Flow Transmitters
- Ventury Flow meter
- Gas Detectors
- And Others

### Laboratories Instruments Capabilities including:

- Centrifuges
- Conductivity/Resistivity Indicators and Transmitters
- PH Devices
- Dissolved Oxygen Meter
- Balances
- ORP Indicators and Transmitters
- Timer Devices and Similar Equipment
- Ovens, Furnaces and Muffles
- Micrometers and Calipers
- Freezer and Refrigerators
- Temperature and Humidity Incubators
- Walking Chambers and Freezers

- CO<sub>2</sub> Incubators
- Water Stability Bath
- Autoclaves
- Fume Hood
- Laminar Fume Hood
- Biosafety Cabinets and Isolators
- And Others

### Analytical Instruments Capabilities:

#### Separation Instrumentation

- Gas Chromatography
- High Pressure Liquid Chromatography
- Ion Chromatography
- Capillary Electrophoresis

#### Spectroscopy Instrumentation

- FTIR
- UV/Vis
- Polarimeter
- Colorimeter
- Spectrofluorometer
- Mass Spectrometer
- Spectrophotometer
- Osmometer

#### Dissolution Instrumentation

- Dissolution Bath Qualification (Includes Physics and Chemical Testing)
- Disintegration Testers



### Full Instrumentation Support Services

- Maintenance / Compliance Program ( Development / Implementation)
- DQ, IQ, OQ, PQ Documentation (Development and Execution)
- Instrument Records management and Audits
- Temperature Mapping

### Clinical Laboratory Instrumentation

- Melting Point Apparatus
- pH Meters
- Selective Ion Electrodes
- Freezers
- Centrifuges (Speed/Time/Temp.)
- Incubators (CO<sub>2</sub>/Temp.)
- Environmental Chambers
- Conductivity Meters
- Thermal Circlers
- Power Sources

### Quality Assurance

PVSR Corporation, is a leader in pharmaceutical, biotechnology, and medical device contract calibration services. Our Quality systems are [ISO 9001-2000/cGMP](#) compliant. Employee training is well documented and standard Operating Procedures are strictly controlled. All policies and activities are outlined in our Quality Manual and are available for clients quality review.

Our well-defined and strictly enforced internal Quality Assurance systems guarantee that all work complies with cGMP, and ISO 9001-2000 standards. PVSR is committed to 100% customer satisfaction.

- Balances & Scale
- Water Baths
- Chart Recorders
- Timers
- Thermometers
- Ovens
- Vacuum Pumps
- Microscopes
- Moisture Analyzers
- Micrometer and Calipers
- Hardness Testers
- Friability Testers
- Refractometers
- Torque
- Rockers
- Shakers

### Liquid Handling Instrumentation

- Titrators
- Digital Burets
- Syringe Pumps
- Dilutors
- Single Channel Pipettes
- Multichannel Pipettes
- Repeating Pipettes

