



Since 1972

NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

CHENNAI 600 123, INDIA.

Comprehensive Calibration Solutions Provider

(Standards • Systems • Packages • Software • Services)



COMPANY PROFILE



Nagman®

INSTRUMENTS
CONSORTIUM

Chennai, INDIA

SINCE
1972

Nagman founded in **1972**, started a small manufacturing unit for RTD / TC sensors and moved on to pioneer the concept of portable calibrators (Simulators) for Temperature and Pressure under technical guidance from **Ametek, Denmark** and have supplied over **65,000** Portable Calibration Masters, present in **114 Countries** so far.

We gradually extended the range of our portable calibration master products to customized **Work Stations / Test Benches for Temperature, Pressure, Electrical & Electronics Parameter** - in modular design & as per the customer specifications - which is our core strength, supplied (Including I&C) around **2000 Test Benches** to many process industries.

We have partnered with M/s. **Presys, Brazil ; Meriam Process, USA ; AOIP (Eurotron), France ; ASP sensors, USA etc,** to market and service their products in India. We can now offer a **Primary / Secondary Pressure standard, Temperature, Electrical & Electronics and Multifunction Calibration work station** with our dedicated software i.e. **CALMAN plus** which is comparable in design, features, performance and accuracy to international brands like **Time Electronics, Beamex, WIKA etc.,** at an affordable price. Adding to it we started supplying of Safety valve Test Bench **DN 15 - 300mm**, according to the common international test standards.

In addition, we also developed a few more custom-built systems like **Mobile Calibration Systems, Vocational Trainer Systems, Height Adjustable Systems (Multi-flex)** and introduced several utility Instrumentation Software packages including **Data management, Calibration Management, Asset - Maintenance Management software package etc.,** as per customer specifications.

We have also developed and launched several innovative and novel import substitute products including Advanced Microprocessor based **Dry Block Temperature Calibrator** baths (-100 to 1500°C), **Hot Cold** baths, **Micro Oil** baths, **Micro Liquid** baths, **Black Body Sources** (up to 1500°C), **Fluidized** baths etc,. and in the pressure range basic hand pumps (OEM) – **Pneumatic** (up to 160 bar) & **hydraulic** (up to 1000 bar) with **Digital Indicators** (Accuracies: 0.1% / 0.05% / 0.025% / 0.02% / 0.01 % FS) and cost-effective range of **Dead Weight Testers – Pneumatic & Hydraulic** (Accuracies: 0.1% / 0.05% / 0.025% / 0.015% / 0.01 % Rdg) and **Comparison Testers**.

We obtained **DNV** product type approval certification for selected Models of our **Temperature & Pressure Calibrators** to supply **Marine Applications** and several models of our Temperature calibrator can be manufactured as per **“CE”** norms.

Nagman had recently launched their **Flow Meters & Level Transmitters**. Varieties of Flow Meters viz. **Electro-Magnetic, Coriolis Mass, Vortex, Positive Displacement & Ultrasonic** types are available. Under **Level Transmitters, Guided Wave Radar (Cone / Rod type) & Ultrasonic** types are available.

Diversifying from their regular Calibration Product Range, Nagman had successfully **developed & supplied "Level Test & Calibration Rigs"** - to **Kuwait Oil Company, Kuwait; H.M.E.L. Punjab (Bhatinda Refinery), India and Power Technology Solutions, Kazakhstan** - to enable perform variety of **Test & Calibration routines** for most types of **Measuring/Controlling Devices** viz. **Float, Displacer, Radar, Capacitance, Ultrasonic, Magnetic etc.**

In the recent past, Nagman have ventured into design, development & manufacture of **Flow Calibration Systems, Water Meter Test Benches & Gas Meter Calibration Test Benches (Bell Prover Type)**. The Flow Meter Calibration Test Bench is useful for **Calibration of various Process Flow Meters including Turbine, Vortex, Electromagnetic, Ultrasonic etc.** The **Size of Flow Meters** ranges between **DN 10 to DN 300**.

Nagman were successful in the execution of recent orders for **Water Meter Test Benches** to few reputed Domestic & International Customers. These **Water Meter Test Benches (covering Meter ranges DN 15 to DN 300)** are Complete/Comprehensive Solutions with diverse level of automation & varieties of Measurement / Control Methods & can be used in Major Laboratories of Water Boards/Departments. Our **Gas Meter Calibration Test Benches** can be used in OEMs, Hotels, Hospitals & R&D Institutions. Their Flow rates are 0.018 to 6 M³/Hr. Capacity of Bell Prover will be 20/100/200 Litres. This test bench is suitable for Testing 4/6/8 Meters simultaneously & can Calibrate **Gas Meters of Sizes G1.6, G2.5, G4 & G6**.

Nagman have built up a sophisticated **"Center for Calibration"** (in Chennai, Mumbai & New Delhi - India) to fully support - thro' **Traceable Calibrations** year after year - above Systems and Calibrators. The facilities include the **unique Cross Float DWT Calibration Systems, Very High Precision (50 PPM) Dead Weight Testers, Ultra Low Pressure Calibrators, Ultra High Temperature Calibrator (upto 1500°C), Black Body Sources (for IR Pyrometer Calibration - upto 1300°C), Universal Electro-Technical Calibration System (Wavetek's Model 9100 + 8½ Digit Digital Multimeter)** among other routine Pressure, Temperature and Electrical Parameter Calibration Standards.

This Center for Calibration offers **Site** (including overseas customer site!) as well as **Lab Calibration** & even offers Calibrators (Transfer Standards) on Rental! This Center for Calibration also offers structured **Training Courses & Workshops** on Calibration Methods & Techniques. This Centre for Calibration enjoys the unique distinction of obtaining **NABL** (equivalent to UKAS) Accreditation (per ISO/IEC 17025:2005) for **Thermal, Electro-Technical, Dimensional, Mechanical (Pressure & Sound Level, Mass) & Fluid Flow** parameters to be able to offer Traceable Calibration Certificates.

Nagman represent several reputed **Overseas Principals** in the field of **instrumentation** and market their products in **India**. The wide range of products include **High Precision Pressure Primary/Secondary Standards, Precision Signal & Multifunction Calibrators, Pressure Calibrators, Manometers, Humidity Calibration Chambers, IR Pyrometers (Online & Portable), Thermal Imaging Cameras & Scanners, Single & Three Phase Digital Power Analyzers, Auto-tune PID Controllers & a variety of Test & Measuring Instruments** [including those for Hazardous (Ex / Flame Proof) applications], **Control and Safety Valve Test Rigs** etc. in addition to their own calibration instruments/systems and software. Nagman have qualified and overseas trained engineering personnel to offer customers, applications engineering & after sales service support.

Nagman with their in-house manufacturing range & support from their extensive overseas principals' product range, are today able to offer customers complete and comprehensive **Calibration Lab Packages** - including Calibrators (Systems / Test Benches / Portables), integrating System Software, a wide range of Test and Measuring Instruments, Tools and Tackles etc. (For overseas customers - while Nagman's own products - **Portable Calibrators, Dead Weight Testers, Test Bench Systems & Software** - will be shipped from India.

Nagman's Overseas Principals products can be drop shipped directly at customer locations). Nagman also offer **Consultancy** on setting up Calibration Laboratories. No doubt Nagman today is identified as "**The Total Comprehensive Calibration Solutions Provider!**"

Nagman, with aforesaid capability, product range and service are recognized and patronized by all leading consultants and project executants and Nagman's **customer list** reads like a 'who is who' of Indian Industry - encompassing **Power Stations (Thermal / Hydro & Nuclear); Oil & Gas; Petrochemicals & Refineries; Process Industries (Chemicals & Pharmaceutical, Breweries, Fertilizers, Cement, Glass, Sugar, Synthetics, Steel, Metallurgical); Heavy Engineering Industries; Marine (Defence, Merchant Ships)/Ship Building, Off-Shore Companies, Naval Dockyard; Aeronautical Industries; Educational Institutions; EPC Contractors / Turnkey Project Consultants and National Calibration Laboratories / Test Labs like IDEMI / STQC - ERTL / ETDC / CSIR etc.** Nagman's products - Portables, Dead Weight (& Comparison) Testers, Calibration Test Benches & Hand Pumps etc. - are being exported to 100+ countries worldwide.

The driving force of the company is its **Founder President & Chairman**, a thoroughbred dedicated Instrument Professional, (with over 45 years of experience) ably supported by an array of qualified and overseas-trained engineering personnel to offer customers applications engineering & after sales service support.

Nagman has an extensive Sales & Service Network (including a Regional Office cum Service/Calibration Sub-Center at Mumbai, India & distributors throughout the world) to support customers with least delay. In 2009, established a Company **NICS Calibration Solutions Pte Ltd., in Singapore** - to serve as a Regional Marketing Hub. In **2024** established an office at **Dubai "NIME Instruments Trading LLC"** - to extend our services in **Middle East Region**.

Nagman in their unending quest for innovation, continue to work on developing & introducing several **novel cost effective (import substitution) products to meet the demands of Indian (& World) industry** both from Quality & Economy aspects!

Nagman thus are a formidable / powerful combination of **experience / expertise / innovation / infrastructure/ contacts, connections & association** to present you truly cost effective products & services! To enable serve customers more effectively, Nagman are expanding their network of **"Distributors" worldwide & Calibration Sub-Centers in major Metro Cities in India**.

More information on Nagman's Products, Services
& ongoing activities can be viewed at

www.nagman.com