



**NAGMAN INSTRUMENTS &  
ELECTRONICS (P) LTD.**  
Chennai 600 123, INDIA.

*- Comprehensive Calibration Solutions  
(Standards • Systems • Packages • Software • Services)*



## COMPANY PROFILE

## COMPANY PROFILE

**Nagman** was established in the year 1972 and has been serving the Indian industry – for 4 decades now – with distinction since then.

**Nagman**, starting small, manufacturing RTD / TC sensors, moved on (in the late eighties) to pioneer the concept of Portable Calibrators (simulators) for Temperature / Pressure under technical guidance from **Ametek (Jofra), Denmark** and have been manufacturing these (& other) Calibrators, selling over **60,000 Calibrators** so far.

**Nagman**, expanding on their technical expertise on portables, developed **Calibration Work Stations / Test Benches** - for Temperature, Pressure, Electrical & Electronics parameters - in modular design and over the past decade have (supplied &) installed **more than 1750 Test Benches** in many reputed / major industries.

**Nagman** were also closely associated with **M/s. Eurotron – Italy, S.I. Pressure Instruments – U.K., Revue Thommen – Switzerland, Ametek (Europe) - Germany, Tradinco – The Netherlands** to market & service their products in India. Nagman, in co-operation with / support from these & other reputed overseas principals, improved on this basic & simple systems to develop & offer highly sophisticated and dedicated **Primary & Secondary Standard Calibration Test Benches, Temperature Calibration Test Benches, Electrical & Electronics Calibration Test Benches, Multifunction / Multiparameter Calibration Test Bench Workstations and Computer Aided Calibration Systems** - comparable in design, performance, features and accuracies to reputed/established International brands like M/s. **Scandura** - Italy / **Beamex** - Finland, but at affordable prices.

**Nagman (an ISO 9001:2015 Certified Company)** subsequently **developed and introduced** several innovative & novel **import substitute products** including – Hand held Dry Block Calibrators, Advanced Microprocessor based Temperature Calibrators, Portable (Micro) Oil Baths, Black Body Sources (upto 1300°C), Fluidized and Hot Cold Baths, Multi-hole Very High Temperature Dry Block Calibrators (1200°C/1500°C) etc. In addition, Nagman's developments & introduction in the Pressure range included Microprocessor based Precision **Pressure (Portable / Bench-top)** (0.1% / 0.05% / 0.025%) **Calibrators**, cost-effective range of **Dead Weight Testers (Pneumatic & Hydraulic)** (0.1%, 0.05%, 0.025% & 0.015% Accuracies) and **Comparison Testers / Master Gauges**.

Several Models of our **Temperature Calibrators** are manufactured as per “**CE**” Norms. Select Models of our **Temperature & Pressure Calibrators** are **DNV (Evaluated &) Approved** for use in stringent **Marine Applications**. We are also a **Member of the IMPA** (International Marine Purchasing Association).

Nagman have developed & introduced their own **Hand Pumps (OEM) - Pneumatic** (-0.85 to 40 Bar) & **Hydraulic** (0 to 200 / 350 / 700 / 1000 Bar) and a variety of novel **Portable / Compact Pressure Calibrators** for Pneumatic / Hydraulic applications.

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.

Few another innovative products are **Mobile Calibration Lab (Mobical), Engineering & Vocational Trainer Systems, Height Adjustment Calibration Test Benches (Multiflex)** – which includes a Temperature, Pressure & Multifunction calibration parameters!

Nagman have also developed and introduced several utility **Instrumentation Software Packages** : including **Data Management / Calibration Management** (integrates several reputed brands / makes of Calibrators, Digital Multimeters and Test & Measuring Instruments) / **Asset – Maintenance Management Software Package** etc. and have the capability to accept development of **custom design assignments** in Instrumentation software.

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, Electro-magnetic, 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 M<sup>3</sup>/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 patronised 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.**

Among the reputed Overseas Customers / Users of Nagman Products are **Alba Smelter, American Bechtel, Defence Technology Agency, Elgar NIG Oil & Gas, Exxon Mobil, Indorama, Indoarya, NED University, Oman Gas Company, Saudi Gas Cylinder Company, SHELL Nigeria, SOHAR Aluminium, Siemens - Cadreyta Refinery Project, Sunflag Thailand, V Ships U.K., Waukesha Electrical Systems, ZADCO, Kuwait Oil Company, GASCO & many more.....**

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 **Nagman Instruments Calibration Solutions Pte Ltd., in Singapore** – to serve as a **Regional Marketing Hub.**

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](http://www.nagman.com).

-----