

Comprehensive Calibration Solutions

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Standards • Systems • Software

46
years of
DISTINGUISHED
SERVICE
TO INDUSTRIES
WORLDWIDE

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NAGMAN INSTRUMENTS & ELECTRONICS PRIVATE LTD.

*An Associate of
Nagman Instruments Consortium*

CHENNAI, INDIA

www.nagman.com

Nagman Instruments Consortium - a brief note...

Nagman Instruments & Electronics Private Ltd., Chennai - an **ISO 9001-2015 Certified** Instrumentation Company (since 1972) are serving Industries in India & Worldwide thro' Manufacture & Supply of world class Calibration Instruments & Systems viz. Temperature, Pressure & Signal Calibrators, Black Body Calibration Sources, Pneumatic & Hydraulic Hand Pumps, Dead Weight & Comparison Testers, Test Benches & Work Stations for Primary & Secondary Standards, Electrical & Electronics, Temperature, Multi-function/Multi-parameter etc., Mobile Calibration Systems and Calibration Management Software. Few of our Temperature & Pressure Calibrators are **Certified by DNV**.

To serve customers even better – with focus on specific Product/Service Profile - Activities (Products/Services) of the Parent Company, **Nagman Instruments & Electronics Private Ltd.** were recently split & entrusted to 2 newly formed companies viz. **Nagman Flow-Level Systems & Solutions LLP** and **Nagman Calibration Services LLP** (NABL Accredited), whose brief Activity Profiles alongwith our Singapore Marketing Hub & Malaysian JV Associate are listed in the last page.

All 5 Companies are now grouped under the umbrella of '**Nagman Instruments Consortium**' which effectively caters to Comprehensive Packages for Projects – where contribution from all Companies are required.

Nagman's Products are **Exported to over 100 countries** worldwide. Nagman has a **wide Distributor Network** in India & Overseas.

Listed below are our Temperature, Pressure & Signal Calibrators, Software and Calibration Test Benches with brief specifications for your ready review.

Field Calibrators

350H

10°C above Amb.
to 350°C
Accuracy ±1°C

650H

20°C above Amb.
to 650°C
Accuracy ±1.5°C

800H

50°C to 800°C
Accuracy ±1.5°C upto 600°C;
±2°C beyond 600°C



Heavy Duty

Precision Calibrators

MTC Series

Ranges :
-40°C from Amb. to 123°C //
50°C to 350°C //
50°C to 650°C //
300°C to 1200°C

Accuracies :
±0.3°C //
±0.4°C //
±0.6°C //
±2°C



With Measurement Capability

Metrological Lab Grade Calibrators

Metal Series

Ranges :
-10°C to 120°C //
50°C to 650°C //
150°C to 1200°C

Accuracies :
±0.2°C //
±0.4°C //
±2°C



Lab Standard

With Measurement Capability

High Temperature Dry Blocks

Semi Portable

1200 HN

Range :
300°C to 1200°C

Accuracy :
Better than ±3°C



Black Body Calibration Sources

BBSL, BBSM, BBSH



10°C above Ambient to 350°C //
20°C above Ambient to 600°C // 500°C to 1200°C
Aperture Dia 25 mm. Emissivity : 0.98
Dual Chamber Model also available - Consult us

Stirred Bath

MOB 250



20°C to above Ambient to 250°C
Accuracy : ±0.6°C; Stability : ±0.1°C

Digital Pressure Gauge/Indicator

MPCE Series - IN 100

- 7 Segment 5 Full Digit High Contrast Customized LCD Display
- 11 Engineering Units
- Over Pressure Protection
- Pressure Transducer all Media compatible with SS316



NEW

Ranges :
-0.85 to 2 & upto 60 bar (Pneumatic)
0 to 70 & upto 1000 bar (Hydraulic)
Accuracy : ±0.1% F.S.

Hand Pumps

PHP & HHP Series



Pneumatic
-0.9 bar Vacuum to 2/10/25/40/60 bar

Hydraulic
0 to 200/350/700/1000 bar
Oil / Water operated

Handheld Pressure Calibrators

MPC Series



Various Ranges/Models :
upto 60 bar (Pneumatic) & 700 bar (Hydraulic)
Accuracy : ±0.1% FS / ±0.05% FS / ±0.025% FS

TEST, MEASUREMENT & CALIBRATION INSTRUMENTS

Portable Pressure Calibrators

Pneumatic

PPC-P Series

Ranges :
-0.85 to 2 &
upto 20 bar
Accuracies :
±0.05% //
±0.025% F.S.



Hydraulic

PPC-H Series

Ranges :
0 to 200 / 400 bar
Accuracies :
±0.05% // ±0.025% F.S.



Dual



PPC-D Series

Ranges :
Pneumatic :
-0.85 to 20 bar
&
Hydraulic :
0 to 400 bar
Accuracies :
±0.05% // ±0.025% F.S.



Pneumatic Dead Weight Tester

P8000 / P8600 Series



Various Ranges / Models :
from 0.5 to 35 bar
Accuracy : ±0.05% // ±0.025% Reading

Hydraulic Dead Weight Tester

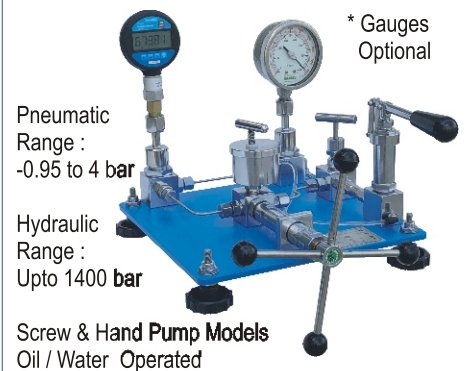
H3000 / H6000 / H6600 / H6900 Series



Various Ranges /
Models :
upto 1200 bar
Accuracies :
±0.1% // ±0.05% //
±0.025% // ±0.015% Reading

Comparison Tester

GCL/GCH Series



* Gauges
Optional
Pneumatic
Range :
-0.95 to 4 bar
Hydraulic
Range :
Upto 1400 bar
Screw & Hand Pump Models
Oil / Water Operated

Signal Calibrators

T/C, RTD, Loop & Multifunction



Ideal for quick Loop Checking &
Calibration of Transmitters, Simulation /
Measurement of mV & mA

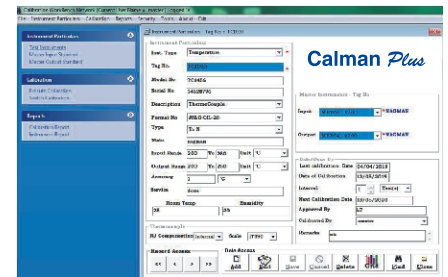
Multifunction Process Calibrator

MFC 40

Ideal for
Measurement
&
Simulation of
DC Voltages,
DC Current,
Resistance,
Thermocouples
&
RTDs



Calibration Software



Powerful Tool for Calibration of devices in the
process industries under the present day
quality guidelines such as ISO 9000.
The Calman Plus automates the process of
Calibration making them quicker & easier.

Calibration Test Bench Systems

Over 2000+
Supplied



Primary & Secondary Standard Test Bench
Electrical & Electronics Test Bench
Temperature Calibration Test Bench
Multifunction / Multi-parameter Test Bench

Mobile Calibration Kit / System

Mobical Series

Suitable for
Calibration Labs &
Service Providers

Ideal for Site/Field
Calibration



Multi-parameter / Multi-tasking / Multi-operator
Mobile Calibration Systems & Kits - All Modules /
Systems integrated in a Sturdy Mobile Trolley
offering Portability / Mobility

Liquid Flow Calibration System

Primary Standard Liquid Flow Calibration System
Unique 'Made (First Time) in India'



SPACE / POWER / WATER Saving
'Multi-Mode / Tasking' COMBO of
"Compact Piston Prover &
Flow/Water Meter Calibration System"

PRECISION DIGITAL PRESSURE CONTROLLER
with *Electrical Signal Processing*

A GERMAN PRODUCT



DPC 3000

- 7" Touch Display with additional Input Keypad
- From Vacuum to 210 & upto 1000 bar
- Accuracy upto 0.025% F.S.
- Use of Liquids
- Transmitter Calibration and Logger Function
- Manometer, Leak and Pressure Switch Test
- Customised Measuring Routines
- Contamination Protection (optional)
- Interface description released

The DPC 3000 is equipped with a high contrast, user friendly arranged 7" touch display. The additional keypad includes the most important operating elements of the controller.

The aluminium housing is stackable and ideally suited for test stands. Electrical transmitters can be connected directly via the current/voltage module. These can be calibrated automatically by means of stored calibration routines in compliance with the DAkkS regulation.

Freely selectable pressure profiles can also be created and stored. The pressure curve can be displayed graphically and is saved in a CSV file. It has a leak test function with display of the pressure loss rate. An optional barometric sensor can be used for offsetting. It is possible to switch between over pressure and absolute pressure.

Nagman Instruments Consortium

Group Associate Companies & JV Associate

Nagman Instruments & Electronics Private Ltd.

Calibration Standards, Systems & Software

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- New Delhi
- Mumbai
- Vadodara
- Kota
- Kolkata
- Hyderabad
- Bengaluru

NABL Accredited / Traceable Calibration Centre / Sub-Centres

- Chennai
- Mumbai
- New Delhi
- Vadodara
- Visakhapatnam