

Nagman
Instruments
Consortium

Comprehensive
Calibration
Solutions

- STANDARDS
- SYSTEMS
- SOFTWARE

54 years of DEDICATED SERVICE TO INDUSTRIES IN MORE THAN 110 COUNTRIES WORLDWIDE



ISO 9001:2015 Certificate



CE Certificate



IP Certificate



Dry Block - Ultra-Negative Temperature

UNFC-100E

Range -100°C to +25°C
 Resolution 0.01°C (+25 to -19.99°C)
 0.1°C (-20°C from -100°C)
 Accuracy ±0.3°C
 Stability ±0.05°C



Dry Block - Sub-Zero Temperature

R-40 / R-40 Plus

Range -10°C to 123°C /
 -30°C to 120°C (@ 21°C ± 2°C)
 Resolution 0.1 °C
 Accuracy ±0.5°C
 Stability ±0.1°C

MTC 40 / MTC 40 Plus

Range -15°C to 123°C /
 -30°C to 120°C (@ 21°C ± 2°C)
 Resolution 0.1°C
 Accuracy ±0.3°C
 Stability ±0.1°C
 Measurement Capability



Metcal 40 / Metcal 40 Plus

Range -10°C to 120°C /
 -25°C to 120°C (@ 21°C ± 2°C)
 Resolution 0.01°C
 Accuracy ±0.2°C
 Stability ±0.02°C
 Measurement Capability

Dry Block - Low Temperature

350-H / 350-H2

Range 10°C above Ambient to 350°C
 Resolution 0.1°C
 Accuracy ±0.3°C / 0.4°C
 Stability ±0.2°C / ±0.3°C



Dry Block - Medium Temperature

ETC 600

Range 50°C to 600°C
 Resolution 0.1°C
 Accuracy ±1.2°C
 Stability ±0.4°C

MTC 650

Range 50°C to 650°C
 Resolution 0.1°C
 Accuracy ±0.6°C
 Stability ±0.05°C
 Measurement Capability



800-H

Range 50°C to 800°C
 Resolution 0.1°C
 Accuracy Upto 600°C ±1.5°C; Above 600°C ±2.2°C
 Stability ±0.3°C

Dry Block - High / Very High Temperature

1200 HN

Range 250°C to 1200°C
 Resolution 1°C
 Accuracy Better than ±2.5°C
 Stability Better than ±0.5°C (below 600°C)
 Well Diameter 45 mm
 Immersion Depth 150 mm

Metcal 1200

Range 150°C to 1200°C
 Resolution 0.1°C
 Accuracy ±2°C
 Stability ±0.3°C
 Measurement Capability



* Typical Photos

TEMPERATURE SERIES



MTC 350

Range 50°C to 350°C
 Resolution 0.1°C
 Accuracy ±0.4°C
 Stability ±0.05°C
 Measurement Capability

650-H / 650-H2

Range 20°C above Ambient to 650°C
 Resolution 0.1°C
 Accuracy ±1.2°C
 Stability ±0.3°C / ±0.5°C

Metcal 650

Range 50°C to 650°C
 Resolution 0.01°C
 Accuracy ±0.4°C
 Stability ±0.08°C
 Measurement Capability

Nical Series (50°C / 650°C / 1200°C)



Range -30°C to 140°C
 50°C to 650°C
 150°C to 1200°C
 Resolution 0.01°C / 0.01°C / 0.1°C
 Accuracy ± 0.2°C / ± 0.4°C / ± 2°C
 Stability ± 0.02°C / ± 0.04°C / ± 0.2°C

MTC 1200

Range 300°C to 1200°C
 Resolution 1°C
 Accuracy ±2°C
 Stability ±0.5°C
 Measurement Capability

1500 HN

Range 500°C to 1500°C
 Resolution 0.1°C
 Radial Uniformity ± 0.5% of reading
 Stability ±1°C
 Well Dia 50 mm
 Well Hole Depth 240 mm

TEMPERATURE SERIES

Stirred Baths (Liquid / Powder)

Micro Oil Bath

MOB 250

Range 50°C to 250°C
Resolution 0.1°C
Accuracy ±0.6°C
Stability ±0.15°C

Micro Liquid Bath

MLB-30

Range -25°C to 150°C
Resolution 0.1°C
Accuracy ±0.6°C
Stability ±0.2°C

Fluidized Bath

FB-06L

Range 20°C above Ambient to 600°C
Resolution 1°C
Accuracy ±1.5°C
Stability ±1°C / 2°C

Hot Cold Bath

HC-DB-35

Range -10°C to +123°C (Cold Bath)
50 to 350°C (Hot Bath)
Resolution 0.1°C
Accuracy ±1°C
Stability ±0.2°C

Black Body Calibration Sources

BBS-VL

Range 10°C to 45°C
Accuracy Within 0.75% F.S.
Emissivity 0.98; Aperture Dia 30 mm
Stability ±0.5°C
Resolution : 0.1°C

BBSL

Range 10°C above Ambient to 350°C
Accuracy Within 0.5% F.S. (Min. 1°C)
Emissivity 0.98; Aperture Dia 25 mm
Stability ±0.5°C
Resolution 0.1°C

BBSM

Range 20°C above Ambient to 600°C
Accuracy Within 0.5% F.S. (Min. 2°C)
Emissivity 0.98; Aperture Dia 25 mm
Stability ±0.5°C
Resolution 0.1°C

BBSH

Range 500°C to 1200°C
Accuracy Within 0.5% F.S. (Min. 3°C)
Emissivity 0.98; Aperture Dia 25 mm
Stability ±1°C
Resolution : 1°C

IR Thermometers

NIT 55

Range -50 to 550°C
Accuracy ±1.5°C
Resolution 0.1°C/°F
Repeatability ±1°C
Distance to Spot Size 12:1
Emissivity : 0.1 ~ 1.0 adjustable

NIT 55E

Range -50 to 550°C
Accuracy ≥100°C ±2°C
Resolution : 0.1°C/°F
Repeatability ±1°C
Distance to Spot Size 12:1 16:1 50:1
Emissivity : 0.1 ~ 1.0 adjustable
K Type Thermocouple Measurement Range -50 to 500°C

NIT 75

Range -50 to 750°C (-58 to 1382°F)
Accuracy ±1.5% or ±1.5°C
Resolution : 0.1°C/°F
Repeatability ±1% or ±1°C
Distance to Spot Size 12:1
Emissivity : 0.95 Preset, 0.1 ~ 1.0 adjustable

NIT 110 / NIT 160 / NIT 185

Range : -50 to 1100°C / 1600°C / 200 to 1850°C
Accuracy : ±1.5°C
Resolution : 0.1°C/°F
Repeatability : ±1°C;
Distance to Spot Size : 50:1 / 50:1 / 80:1
Emissivity : 0.95 Preset, 0.1 ~ 1.0 adjustable

Thermal Imager

Range -20°C to 550°C
Accuracy ±2°C
Display Resolution 640 x 480
Display 3.5" fill angle TFT display screen
Infrared Image Resolution 256 x 192
Thermal Sensitivity 0.07°C
Emissivity Adjustable from 0.01 to 1.0

Ideal for Infrared Thermometer Calibration



PRESSURE SERIES

Hand Pumps

PHP 2, 10, 20, 35, 40, 60 **Pneumatic**

Range -0.9 bar Vacuum to 60 bar Pressure
Medium Air
Sensitivity / Resolution Upto 1 mbar
Gauge / Indicator Connection Port 3/8" (F) BSP
Test Connection Port 1/4" (F) BSP

Pneumatic Hand Pump **PCP 160**

Range -0.95 to 160 bar
Test Port M20X1.5, 1/4NPT/BSP, 1/2NPT/BSP

Analog Gauges

APG Series

Ranges 0 TO 1, 2.5, 4, 6, 10, 16, 25, 40 60,
(in kg/cm² or bar) 100, 160, 250, 400, 600, 1000
Accuracy ±0.25% / 0.1% F.S.
Beryllium Copper / SS316
3/8", 1/2" BSP / NPT Connection
Bottom or Back Mounted
Dial Size: 150 mm

Digital Pressure Indicators

MPCE-I-P / MPC-I-P / MPC-I-P+ **Pneumatic**

Ranges -1 to 2 / 10 / 20 / 35 / 40 / 60 bar
Accuracy ±0.1% / ±0.05% / ±0.025% / ±0.02% / ±0.01% F.S.
Resolution Minimum 4½ / 5 / 5 digits
Display 7 Segment FSTN (Large) Display
Selectable Engineering Pressure Units

**IP 52
RATED**

DNV-GL

Marine Calibrators

MPCE IN100 Series **Pneumatic**

Ranges -0.90 to 2 / 10 / 25 / 35 / 40 / 60 bar
Accuracy ±0.1% F.S.
Resolution Minimum 4½ digits
Display 7 Segment 5 Full Digit High Contrast
Customized LCD Display

**IP 65
RATED**

DNV-GL

Handheld Pressure Calibrators

MPCE-P / MPC-P / MPC-P+ **Pneumatic**

Ranges -0.90 to 2 / 10 / 20 / 35 / 40 / 60 bar
Accuracy ±0.1% / ±0.05% / ±0.025% F.S.
Resolution Minimum 4½ / 5 / 5 digits
Display 7 Segment FSTN (Large) Display

**IP 52
RATED**

DNV-GL

Portable Pressure Calibrators

PPC-P/H Series **Pneumatic / Hydraulic**

Ranges -0.85 to 2 / 7 / 10 / 20 bar
0 to 200 / 400 bar
Accuracy ±0.05% F.S. / ±0.025% F.S.
Resolution Minimum 5 digits
Display 4.3" TFT Colour Touch Screen

**IP 65
RATED**

DNV-GL

PPC-D / PPC-D+ **Pneumatic & Hydraulic**

Ranges -0.85 bar Vacuum to 20 bar (Pneumatic) &
0 to 400 bar (Hydraulic) (Oil)
Accuracy ±0.05% F.S. / ±0.025% F.S.
Resolution Minimum 5 digits
Display 4.3" TFT Colour Touch Screen

**IP 65
RATED**

DNV-GL

Differential Pressure Manometer

DPM

Ranges 0 to 25 / 70 / 200 / 300 / 500 / 1000 / 2000 mbar
Accuracy ±0.2% F.S. (25/70 mbar)
±0.1% F.S. (200/300/500 mbar)
±0.05% F.S. (1000/2000 mbar)
Resolution Minimum 4½ / 5 / 5 digits
Display 7 Segment FSTN (Large) Display

**IP 52
RATED**

HHP 200, 400, 700, 1000 **Hydraulic**

Ranges Upto 200 / 400 / 700 / 1000 bar
Gauge / Indicator
Connection Port 1/4"(F) / 3/8"(F) BSP
Test Connection Port 1/4" (F) BSP
Medium Oil (Water Model Optional)
Oil Reservoir Material Transparent Acrylic
Reservoir Capacity 100 cc

Marine Indicators

MPCE-IN100 / MPCE-IN200 // MPC-IN100

Ranges Pneumatic -1 to 2 / 10 / 25 / 35 / 40 / 60 bar
Hydraulic 0 to 70 & upto 1000 bar
Accuracy ±0.1% F.S. // ±0.05% F.S.
Resolution Minimum 4½ digits
Display 7 Segment 5 Full Digit High Contrast
Customized LCD Display

**IP 65
RATED**

MPCE-I-H / MPC-I-H / MPC-I-H+ **Hydraulic**

Ranges 0 to 70 / 100 / 200 / 250 / 350 / 700 / 1000 bar
Accuracy ±0.1% / ±0.05% / ±0.025% / ±0.02% / ±0.01% F.S.
Resolution Minimum 4½ / 5 / 5 digits
Display 7 Segment FSTN (Large) Display
Selectable Engineering Pressure Units

**IP 52
RATED**

DNV-GL

MPCE IN100 Series **Hydraulic**

Ranges 0 to 70 / 100 / 200 / 350 / 700 / 1000 bar
Accuracy ±0.1% F.S.
Resolution Minimum 4½ digits
Display 7 Segment 5 Full Digit High Contrast
Customized LCD Display

**IP 65
RATED**

MPCE-H / MPC-H / MPC-H+ **Hydraulic**

Ranges 0 to 70 / 200 / 350 / 700 / 1000 bar
Accuracy ±0.1% / ±0.05% / ±0.025% F.S.
Resolution Minimum 4½ / 5 / 5 digits
Display 7 Segment FSTN (Large) Display

**IP 52
RATED**

DNV-GL

PPC-PL **Pneumatic - Very Low**

Ranges -8500 to +10000 mmH₂O
Accuracy ±0.075% F.S.
Resolution Minimum 5 digits
Display 4.3" TFT Colour Touch Screen

**IP 65
RATED**

DNV-GL

NIPC-50 Series **Pneumatic / Hydraulic / Dual**

Ranges -0.85 to 2 / 7 / 10 / 20 bar (Pneumatic)
0 to 200 / 400 bar (Hydraulic)
-0.85 to 20 bar (Pneu.) & 0 to 400 bar (Hyd.)
Accuracy ±(0.025% reading + 0.01% FS)
Resolution Minimum 5 digits
Display 4.3" TFT Colour Touch Screen

Portable Pressure Test Kit

CalNitro

Max Pressure 200 bar / 3000 psi
Pressure Control Thro' Precision Regulator
Pressure Gauges Dial Size: 63 mm (Analog)
Range 0 to 280 kg/cm² & psi
Storage System 2L Nitrogen Cylinder with Needle Valve
Display 7 Segment FSTN (Large) Display

* Typical Photos

PRESSURE SERIES

Semi-Automatic Pressure Calibrator SAPC-20

Ranges -0.85 to 20 bar
 Measurement Accuracy $\pm 0.05\%$ FS
 Temperature Compensation 0 to 50°C (Automatic)
 Resolution Minimum 5 Digits
 Display 4.3" TFT Colour Touch Screen
 Pressure Units Kg/cm², Bar, mBar, PSI, mH₂O, mmH₂O, cmH₂O, inH₂O, ftH₂O, mmHg, inHg, Atm, MPa, Kpa, Pa

Other Pumps

Electrical Vacuum Pump EVP 69

Structure Double Stage; Power Electric
 Colour Blue
 Voltage 220V / 50Hz
 Free Air Displacement 6 CFM / 170 LPM
 Ultimate Vacuum 2 x 10⁻¹ Pa
 Rotating Speed 2800 RPM
 Power 3/4 HP
 Oil Capacity 370 ml
 Casting Alloy Aluminium

Dead Weight Testers

H3000 Hydraulic

Ranges 35 / 70 / 100 / 160 / 350 / 600 / 700 bar
 Piston Single / Dual
 Accuracy $\pm 0.1\%$ of Reading
 Traceable to International Standards
 Mild Steel/Non-Magnetic Stainless Steel Weights
 Pressure generation thro' Priming Pump & Screw Ram

H6600 Hydraulic

Ranges 35 / 70 / 100 / 160 / 350 / 600 / 700 bar
 Piston Single / Dual
 Accuracy $\pm 0.025\%$ of Reading
 Traceable to International Standards
 Non-Magnetic Stainless Steel Weights
 Pressure generation thro' Priming Pump & Screw Ram

Bellows Type Hydraulic

Ranges 1000 / 1200 bar
 Piston Single / Dual
 Accuracy $\pm 0.1 / \pm 0.05\% / \pm 0.025\% / \pm 0.015\% / \pm 0.01\%$ of Reading
 Traceable to International Standards
 Mild Steel/Non-Magnetic Stainless Steel Weights
 Pressure generation thro' Priming Pump & Screw Ram
 DWTCal Calibration Software

Comparators / Gauge Testers

GCL Series Hydraulic

Ranges 0 to 250 / 350 bar
 Type Screw Pump
 Pressure generation Priming Pump for initial pressures & Screw RAM Pump for high pressures
 Test Port Connection 1/2" BSP (F) Swivel
 Medium Oil (Optional : Water)



Automatic Precision Pressure Calibrator APPC-P+

Ranges 0 to 25,000 mmWC
 Accuracy $\pm 0.025\%$ FS
 Temperature Compensation 0 to 50°C (Automatic)
 Resolution Minimum 5 Digits
 Display 4.3" TFT Colour Touch Screen
 Pressure Units Kg/cm², bar, mbar, PSI, MH₂O, mmH₂O, cmH₂O, inH₂O, ftH₂O, mmHg, inHg, Atm, MPa, KPa, Pa



Screw Pump Vernier SPV-48

Maximum Range 1 bar
 Medium Air
 Material of Constn. Brass - Electroless Ni plating
 Test Connection Port 4mm push fit hose to 1/4" BSP (F)
 Master Connection 4mm push fit



H6000 Hydraulic

Ranges 35 / 70 / 100 / 160 / 350 / 600 / 700 bar
 Piston Single / Dual
 Accuracy $\pm 0.05\%$ of Reading
 Traceable to International Standards
 Non-Magnetic Stainless Steel Weights
 Pressure generation thro' Priming Pump & Screw Ram



H6900 // H6990 Hydraulic

Ranges 35 / 70 / 100 / 160 / 350 / 600 / 700 bar
 Piston Single / Dual
 Accuracy $\pm 0.015\% // \pm 0.01\%$ of Reading
 Traceable to International Standards
 Non-Magnetic Stainless Steel Weights
 Pressure generation thro' Priming Pump & Screw Ram
 DWTCal Calibration Software



P8000 / P8600 Pneumatic

Ranges 0.5 to 1 / 2 / 10 / 20 / 35 bar
 Piston Single
 Accuracy $\pm 0.05\% / \pm 0.025\%$ of Reading
 Traceable to International Standards
 Non-Magnetic Stainless Steel Weights
 Pressure generation thro' Priming Pump & Screw Ram



GCH Series Hydraulic

Ranges 0 to 700 / 1400 / 2000 bar
 Type Screw Pump
 Pressure generation Priming Pump for initial pressures & Screw RAM Pump for high pressures
 Test Port Connection 1/2" BSP (F) Swivel
 Medium Oil (Optional : Water)



PCP Series Pneumatic

Ranges -0.95 to 4 / 6 / 10 bar (Std. Model)
 70 / 100 / 140 / 200 bar (Special Models)
 - with External 3 Stage High Pressure Hand Pump
 Pressure generation Screw RAM Pump
 Pressure Medium Air
 Gauge / Indicator Connection Port 1/2" (F) BSP

SIGNAL CALIBRATORS

Thermocouple Calibrator

Nagman 02+

Compact, Light Weight Unit with Holster
 Capability to Measure & Simulate Voltage & Thermocouple Readings
 Basic Accuracy : $\pm 0.05\%$ Reading
 Selectable Temperature Output Readings (in $^{\circ}\text{C}$ / $^{\circ}\text{F}$)
 Measurement & Simulation of Thermocouple types R, S, B, E, K, J, T & N & Voltage, RTD, Resistance

Loop Calibrator

Nagman 05+

Compact, Light Weight Unit with Holster
 Capability to Measure Voltage & Current Readings
 Simulate Current
 Capability to provide Loop Supply (24V) for Transmitters
 Basic Accuracy : $\pm 0.05\%$ Reading

V/mA Pressure Calibrator

Nagman 15+

Compact, Light Weight Unit with Holster
 Capability to Measure & Simulate DC Voltages, DC Current & Frequency
 Basic Accuracy : $\pm 0.02\%$ Reading
 5 digits display of Measurement & 6 digits display for Simulation
 Dual LCD with white LED for backlight

Process Meter / Multimeter

79A

Compact, Light Weight Unit with Holster
 Measurement & Simulation of DC Voltage, DC Current, Resistance, Thermometer, RTD & Frequency.
 Auto Ramp & Step Function
 24V Loop Parameter function

RTD Calibrator

Nagman 03+

Compact, Light Weight with Holster
 Capability to Measure & Simulate Resistance & RTD Readings, Thermocouple, Voltage
 Basic Accuracy : $\pm 0.05\%$ Reading
 Compact, Light Weight Unit with Holster
 Selectable Temperature Output Readings (in $^{\circ}\text{C}/^{\circ}\text{F}$)

Temperature Calibrator

Nagman 14+

Capability to Measure & Simulate DC Voltages, Resistances, Thermocouples and RTD
 Basic Accuracy : $\pm 0.02\%$ Reading
 Compact, Light Weight Unit with Holster
 5 digits display of Measurement & 6 digits display for Simulation
 Dual LCD with white LED for backlight

Loop Calibrator with Hart

43H

Tool for communicating with Process Instruments. Relying on an Open Communications Protocol, Hart Communicators Interface with Hart enabled 'Master' and 'Field' Devices.
 Reads the Device's basic information, perform Diagnostic Testing & Calibration to fine-tune the most Hart Transmitter
 Store upto 20 Hart Device Configuration data

Digital Multimeter

Benchmark

N6581

6 $\frac{1}{2}$ Resolution
 3.5" Color Display
 Screen Resolution Ratio 320*480
 Customizable Display Interface
 Bi-parameter Display
 Conduct Remote Operation thro' Interfaces of IEEE 488, RS-232, LAN & USB Device.

MULTIFUNCTION PROCESS CALIBRATORS / CONTROLLERS

Nagman 25

Compact, Light Weight Unit with Holster
 Capability to Measure & Simulate DC Voltages, DC Current, Frequency, Resistance, Thermocouples & RTDs
 5 digits display of Measurement & 6 digits display for Simulation
 Basic Accuracy : $\pm 0.02\%$ Reading
 Dual LCD with white LED for backlight
 Capability to perform Switch Test & Continuity Test

MFC 40

With Pressure Module

CE

Compact & Portable
 Capability to Measure & Simulate DC Voltages, DC Current, Resistance, Thermocouples & RTDs
 Basic Accuracy: $\pm 0.025\%$ reading
 128 x 64 Graphic Display with backlight
 In/Out Data Memory : 20 Values can be stored manually
 USB Computer Interface
 CE Certified Conforming to EN61010-1 EN61326-1 EN60529
 Environment Testing Standards : JSS 5555 : 2000 Rev No. 2
 Ingress Protection Rating : IP 55

IP 55
 RATED

TEST, MEASURING & PROCESS CONTROL INSTRUMENTS

- 201 Datalogger Precision RTD Thermometer (0.01 $^{\circ}\text{C}$)
- 202 Type K Thermometer
- 203 Dual Input Humidity Temperature Meter
- 204 Datalogger Dual Input Humidity Temperature Meter
- 205 4 Channels Datalogger
- 206 High Precision Thermometer
- 207 Humidity Temperature Meter (Dew Point, Wet Bulb)
- 208 8 Channel Datalogger
- 209 Datalogger Temperature Humidity Recorder
- 216 16 Channel Datalogger
- 221 Sound Level Meter
- 222 Sound Level Calibrator
- 223 Datalogger Sound Level Meter
- 224 Moisture Meter (Grains)
- 225 Ultrasonic Thickness Gauge
- 231 Light Meter
- 233 LED Light Meter
- 234 Solar Power Meter
- 241 TRMS Inrush Clamp Meter
- 242 TRMS AC DC Clamp Meter
- 243 TRMS AC DC Low Current Clamp Meter
- 244 TRMS Milli-Amp AC DC Clamp Meter (0.1mA)
- 245 TRMS AC DC Clamp Meter
- 246 TRMS AC Leakage Clamp Meter (0.001 mA)
- 248 Flexible True RMS Current Clamp 3000AAC

- 249 TRMS AC-DC Clamp Meter & Oscilloscope
- 250 Digital Multimeter & Oscilloscope
- 251 Digital D.M.T Meter
- 261 Digital Insulation Resistance Tester
- 262 Digital Megohm Tester
- 263 Earth Resistance Tester
- 271 Hydrogen (H₂) Gas Leak Detector
- 272 Carbon Monoxide (CO) Meter
- 273 Refrigerant Leakage Detector
- 274 Combustible Gas Detector
- 275 Multi Gas Detector
- 281 Digital Multimeter
- 283 Precision Digital Multimeter (True RMS)
- 284 Digital Smart Multimeter
- 286 Digital Tachometer
- 291 Hot Wire Anemometer
- 292 Vane Anemometer
- 294 Multifunction LCR Tester
- 296 2 Channel Vibration Meter (Recording)
- 297 Vibration Meter
- 306 Digital Breathalyzer
- 308 2-CH Eco Oscilloscope
- 309 2-CH Arbitrary Waveform Generator 25 MHZ
- 310 2-CH Arbitrary Waveform Generator 35 MHZ
- 318 2-CH Output With 5V Fixed Programmable DC

* Typical Photos

Primary Standard System 1100

Calibration of Pressure Gauges, Calibrators, Transducers, Transmitters, Indicators, Switches, Valves I/P, P/I Converters, etc. -- Both Hydraulic & Pneumatic



Electrical & Electronics System 5000

Calibration of V/A Meters, Multimeters, AC/DC Signal Sources, Clamp Meters, Tachometers, Ohmmeters, Decade Boxes, Power Supplies, Multifunction Calibrators, Frequency / Signal Generators, Oscilloscopes, Frequency Meters, Timer Counters etc.



Temperature System 7000

Calibration of Temperature Sensors, Indicators, Thermocouple and RTDs – Probes / Assemblies / Transmitters, Calibrators, Thermistors, Recorders, Switches etc.

Multifunction / Multiparameter System 9600

Calibration of Electrical / Electronic Signal, Temperature & Pressure (Measurement & Generation) Applications. General Utilities like AC/DC Power Supplies, & Test / Measuring Calibration Instruments



Mobile Calibration System/Kit Mobical Series

3 Types of Kits are available covering parameters viz.

- Mobical EE : Electrical & Electronics
- Mobical PT : Pressure & Temperature
- Mobical PTES : Pressure, Temperature, Electrical & Electronics

Calibration Software Calman Plus

Powerful Tool for Calibration of Devices in Process Industries under present Quality Guidelines such as ISO 9000. Calman Plus automates the process of Calibration making them quicker & easier. Certificate generation, Record updation possible.



Safety Valve Test Bench is a Very Easy, Safe, Accurate and Maintenance Free Operating Workshop Test Unit for Testing & Calibration of Pressure/Safety Relief Valve (Spring operated) in the Range of 0.5" to 8" (DN – 15 to 200 mm) according to the Common International Test Standards.

NAG-SV50

Universal Process Calibrator MCS-12 / MCS-12-IS

Measures and generates mA, mV, volts, ohms, RTD, TC and Hz.
 Simultaneous input and output operation.
 Accuracy up to 0.01% full scale.
 2-Wire Transmitter Power Supply: 12 Vdc / 30 mA.



Universal Process Calibrator MCS-XV Series

Measures & generates mA, mV, Volts, Ohms, RTD, TC, Hz. Upto 4 pressure sensors, Ranges 250 mmH2O - 10000 psi Full Hart Configurator.
 Ethernet, Wi-Fi, Pen drive, **HART** & USB Host/Device.
 Portable / Bench-top / Rack Mounted Models available.



Hart Field Communicator FCY 15 / FCY 15-IS

Configurator Full HART with the latest Device Descriptions (DD's) Library updatable by user thro' USB port. Allows inclusion of new DD's not registered in FieldComm Access to setup entire instrument's parameters tree with HART Protocol, regardless of manufacturer or model Has 24V power supply for 2 wire transmitters with internal resistor or 250 Ohms selectable Input for measuring current, allowing the instrument trim & loop test without a calibrator Colour display, 5.7" high visibility, fully touch screen, friendly interface HART configuration interface in two levels : Calibration HART & Full HART.



Automatic Precision Pressure Controller PCON-Y17

A Calibrator designed for the automated pressure control of a wide selection of ranges upto 3000 psi (Pneumatic) found in Instrumentation Applications.

Automatic Precision Pressure Controller PCON-Y18

Provides a complete solution for the Test & Calibration of your Pressure. No extra Software or Computer is needed to generate the Calibration Test Report on the fly and the data are tamper proofed in accordance with 21 CFR Part 11.



FOREIGN PRINCIPALS

Presys, Brazil

Manufacturer of Temperature Calibrators, Automatic Pressure Controllers, Universal Process Calibrators with HART Capability, Work Stations for Pressure Safety / Relief Valves.

Meriam Process Technologies, U.S.A.

Multifunction Calibrator; HART Communicator; Temperature, Pressure & Loop Calibrators

AOIP (Eurotron), France

Benchtop / Field / Multifunction Calibrators (IS & Non-IS Versions), TC/RTD / Process Calibrators, Data Loggers, Flue Gas Analyzers etc.

Amarell GMBH & CO., Germany

General Purpose & Industrial Thermometers

D. Marchiori S.R.L., Italy

Various RVSM Air Data Test Set Modules for troubleshooting, leak testing & Certification of Aircraft Pitot-static Systems.

Extech Instruments, U.S.A.

A Wide Range / Variety of Cost Effective Test & Measuring Instruments.

Huber Instruments AG., Switzerland

Digital Handheld Manometers, Gauges, Altimeters & Absolute Pressure Barometers.

Practical Instrument Electronics, U.S.A

Multifunction & Single Function Calibrators – mA / Voltage / RTD / Thermocouple / Frequency

ACIN Instrumenten BV, The Netherlands

Widest Range of Instruments for Measuring & Recording Pressure

ASP Sensors, U.S.A.

High Precision Reference RTDs

Nagman Instruments Consortium

Parent Company & our Associates



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Calibration Standards, Systems & Software



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**Flow / Water Meter Calibration Systems
 Level Test & Calibration Rig/System
 Flow Meters & Level Transmitters**

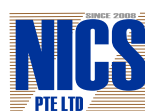


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