

Nagman
Instruments
Consortium

Comprehensive
Calibration Solutions

thru'

• Standards • Systems • Software

50 years of
DISTINGUISHED
SERVICE TO
INDUSTRIES
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 -35°C from Ambient to 123°C /
 -35°C to 120°C (@ 22°C)
 Resolution 0.1°C
 Accuracy ±1°C / ±0.5°C
 Stability ±0.2°C



MTC 40 / MTC 40 Plus

Range -40°C from Ambient to 123°C /
 -35°C to 120°C (@22°C)
 Resolution 0.1°C
 Accuracy ±0.3°C
 Stability ±0.05°C
 Measurement Capability



Metcal 40 / Metcal 40 Plus

Range -10°C to 120°C / -30°C to 120°C (@ 22°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 ±1°C / 1.2°C
 Stability ±0.3°C / ±0.4°C



Dry Block - Medium Temperature

ETC 600

Range 50°C to 600°C
 Resolution 1°C
 Accuracy ±0.1% F.S. + 1 digit
 Stability ±0.5°C



Dry Block - High / Very High Temperature

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 ±0.5°C



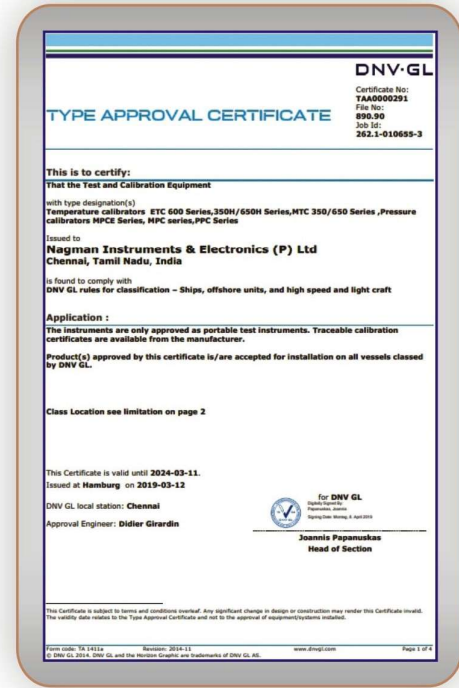
1200 HN

Range 300°C to 1200°C
 Resolution 1°C
 Accuracy Better than ±3°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



MTC 350

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



650-H

Range 20°C above Amb. to 650°C
 Resolution 0.1°C
 Accuracy ±1.5°C
 Stability ±0.5°C



Metcal 650

Range 50°C to 650°C
 Resolution 0.01°C
 Accuracy ±0.4°C
 Stability ±0.04°C
 Measurement Capability



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 1°C
 Accuracy ±0.5% of Span*
 Stability ±2°C
 Ceramic Dry Block Dia 55 mm OD
 Probe Immersion Depth 250 mm

TEMPERATURE SERIES

Stirred Baths (Liquid / Powder)

Micro Oil Bath

MOB 250

Range 20°C above Ambient to 250°C
Resolution 0.1°C
Accuracy ±0.6°C
Stability ±0.1°C

Fluidized Bath

FB-06L

Range 20°C above Ambient to 600°C
Resolution 1°C
Accuracy ±1.5°C
Stability ±0.5°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

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 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 ±0.5°C; Resolution 1°C

IR Thermometers

NIT 55

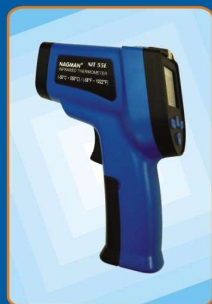
Range -50 to 550°C
Accuracy ±1.5°C
Resolution 0.1°C/°F
Repeatability ±1°C
Distance to Spot Size 12:1
Emissivity : 0.1 ~ 1.0 adjustable

NIT 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

Thermal Imager

Range -20°C to 450°C
Accuracy ±2°C
Display Resolution 640 x 480
Display 3.5" full angle TFT display screen
Image Resolution 320 x 240
Thermal Sensitivity 0.07°C
Emissivity Adjustable from 0.01 to 1.0



Micro Liquid Bath

MLB-30

Range -30°C to 100°C
Resolution 0.1°C
Accuracy ±0.6°C
Stability ±0.2°C

Hot Cold Bath

HC-DB-35

Range -35°C from Amb. to +123°C (Cold Bath)
50 to 350°C (Hot Bath)
Resolution 0.1°C
Accuracy ±1°C
Stability ±0.2°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

Ideal
for
Infrared
Thermometer
Calibration

BBSD (Dual Chamber)

Range 50 to 300°C (Chamber 1);
250 to 600°C (Chamber 2)
Accuracy Within 0.5% F.S. (Min. 1°C / 2°C)
Emissivity 0.98; Aperture Dia 25 mm
Stability ±0.5°C; Resolution 0.1°C / 1°C

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 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



