



## PN 6515

Handheld waterproof thermometer  
for food industry

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## Description

Robust, easy-to-use and compact, PN 6515 waterproof thermometer is dedicated to temperature control of perishable food and can be used within expertise campaigns in food industry.

Two removable temperature probes are available with PN 6515, one for air and gas temperature measurements, the other for in depth measurements with penetration of the probe in frozen food for example.

PN 6515 thermometer is first intended to applications where waterproof, easy-to-clean or sanitize materials are required: spot controls of ambient temperature in climatic chambers such as shelves, cabinets trucks for frozen food; temperature measurements inside frozen food, chilled food or ice creams; temperature control of food, pharmaceuticals and others during baking, cooling or during the process.

Apart from these specific applications, PN 6515 is also suitable for standard use in repair, maintenance and regulation applications within heating, air-conditioning or energy activities.

# Specifications

## Specifications and performances @23°C ±1°C

### Pt100: Measurement

| Sensor | Range                | Resolution | Accuracy / 1 year | Accuracy / 1 year<br>Thermometer + probe |
|--------|----------------------|------------|-------------------|--|
| Pt100  | -199.9°C to +199.9°C | 0.01°C     | 0.1% RDG + 0.1°C  | 0.5°C                                    |

Accuracies are given for 3-wire mounted probes

Temperature coefficient: < 5% of accuracy /°C

Sampling time: 2 samples / s

Measuring current: 0.4 mA

### General specifications

|              |  |
|--------------|--|
| Size         | 182 x 75 x 43 mm   |
| Weight       | 250 g  |
| Display      | LCD display, 3,000 points, 12.7 mm high<br>Resolution: 0.1°C   |
| Power supply | 2 x 9 V batteries type 6LR61 or LF22<br>Battery life: > 200 h<br>In option, rechargeable batteries with external charger<br>Battery life: > 20 h |

### Environmental specifications

|                           |   |
|---------------------------|---|
| Reference range           | 23°C ±1°C (RH: 45 to 75 % w/o condensing)   |
| Operating reference range | -30 to 50°C (RH: 20 to 80 % w/o condensing) |
| Limit operating range     | -30°C to +50°C (RH: 45 to 80 %)             |
| IP protection             | IP65 according to EN60529                   |

# Models and accessories

## Instruments:

PN6515                  Waterproof handheld thermometer for Pt100

Delivered in standard with:

- User manual

## Accessories:

AC6907                  Charging kit, 2 x 9 V batteries + charger

ACL114                  Carrying case for waterproof thermometer

## Probes:

S104                      Waterproof sensor for ambient temperature

S105                      Waterproof penetration sensor

## Certification:

QMA11EN              COFRAC certificate of calibration

With all relevant data points where the device has been tested

## Packing information:

Size                      182 x 75 x 43 mm

Weight without packing 250 g