

## • P-GM+

250°C to 600°C

### Features

- **Data Logging** : Readings can now be logged with a time and date identifier - allowing a wider variety of analyses to be performed on the temperature data.
- **Battery Indication** : Low battery, charging and fully charged battery.
- **Adjustable Temperature Range With Blinking Indication**
  - Range from 250°C - 600°C
  - Standard temperature: Display will be Normal
  - Maximum temperature: Display will Blink
- **Fast, easy, single button measurement** : Touch the probe tip to the target surface and press the capture button. The temperature is taken and displayed (and stored). Single button for power ON and data capturing.
- **Adjustable Probe Rotation** : 360° rotation in 18 Steps
- **Accurate** : Spectral response is 1.6  $\mu\text{m}$ . Short wavelength operation minimizes errors due to emissivity and/or optics contamination.
- **Portable and convenient** : Thermometer is robust and lightweight. Probe is interchangeable on site.
- **Powerful data logging** : Up to 1000 readings can be stored.
- **Comprising** : temperature, time, date and emissivity. The stored data can be downloaded via a USB 2.0 to Computer.
- **In-built charging** : Charging via USB 2.0 Charger
- **Auto OFF** : Automatic power off feature with adjustable time.(Default 1 min.) when placed in Ideal state.

### Standard Scope of Supply

- P-GM+ Pyrometer with Rotatable Probe
- 3AAA Rechargeable Cell
- Battery Charger
- USB Data Cable
- Carry Case
- PC Software

## • P-GM+

Portable Glass Mould Pyrometer



The P-GM+ (Portable Glass Mould Pyrometer) is a hand held, battery powered Non-Contact pyrometer designed primarily for the measurement of mould temperatures in container glass industry. It gives an instantaneous reading of the temperature and data logging with the press of a single switch.

Readings taken are stored into memory and logged with Serial number and date/time for reviewing it. Stored temperature readings are held in memory until deleted, they are not lost when the unit is turned off or the battery is removed. It provides a powerful data logging capability with storage for up to 1000 measurements.

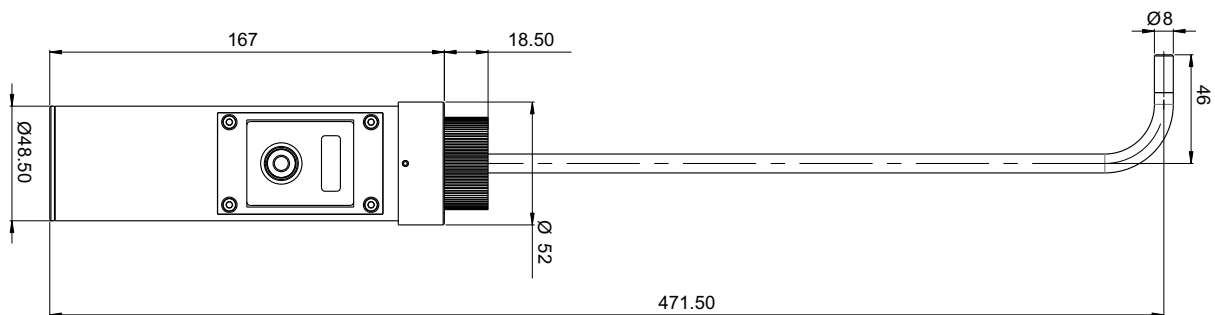
P-GM+ comprises of hand held pyrometer. The pyrometer has an infrared detector with associated electronics and a rigid fibre optic probe, the tip of which is momentarily touched to the hot surface to take measurement.

The processor has an easy to read OLED display, operating button, and a data store. 3 AAA size rechargeable cell powers the whole system.

## Technical Specifications

| Model                                | P-GM+                                                                          |
|--------------------------------------|--------------------------------------------------------------------------------|
| Temperature Range                    | 250°C....600°C                                                                 |
| Spectral Wavelength                  | 1.6 $\mu\text{m}$                                                              |
| Response Time                        | 2 msec. Adjustable upto 10 sec.                                                |
| Repeatability                        | 0.1% of reading in °C $\pm 1^\circ\text{C}$                                    |
| Accuracy                             | +/- 0.3% of the measured value $\pm 1^\circ\text{C}$                           |
| Emissivity                           | 0.1....1.0 adjustable from PC via USB                                          |
| Digital Output                       | USB 2.0                                                                        |
| Logging                              | 1000 reading downloaded to PC via USB 2.0                                      |
| Power Requirement                    | 3 AAA rechargeable Cell                                                        |
| Ambient Temp. Limits                 | Max. 250°C at fiber optic probe                                                |
| Operating Temp. Range                | 0...70°C at handle end                                                         |
| Dimension                            | 475.50 x 48.50 x 48.50 mm                                                      |
| Adjustable parameter through softwar | Emissivity, response time, temperature unit, clear time (peak picker) via USB. |

## Drawing



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