



- **Balanced Calorimeter**
- **Low thermal time constant**
- **Novel, high sensitivity thermopile**
- **High thermal insulation**
- **Suitable for continuous immersion in air or water bath**
- **Configurable with customer's Thermistor**



Model: 27180-3843

Applications:-

- High accuracy power metrology and calibration
- Transfer of RF power to DC power for measurement

2 versions:

Water Bath option, outline dimensions 570mm high x 239mm diameter. Weight 17kg.

Air Bath option, outline dimensions 325mm high x 239mm diameter. Weight 15kg.

Statement:-

The calorimeter has two identical thermistor detectors and a low thermal time constant which means the calorimeter equilibrates quickly. Insulating waveguide sections thermally isolate the thermistor. These allow standards organisations to calibrate thermistor power detectors for frequencies between 20-500GHz.

Important:- Requires Thermistors

Custom Design

Custom built instruments can be supplied; please contact the sales team for more information.

Ordering

Please specify the following:

WG designation	Series
21 - WM570	180 (Calorimeter)

Example: 27180-3843 WG27 Calorimeter

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