

Thermometry, Philippines, National Metrology Laboratory of the Philippines (NMLPHIL)



Calibration or Measurement Services			Measurand Level or Range			Measurement Conditions/Independent variables		Expanded Uncertainty					Service Identifier	Comments
Quantity	Instrument or artifact	Instrument Type or Method	Minimum value	Maximum value	units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?		
Temperature	IPRT	Comparison in liquid bath	-30	0	°C			25	mK	2	95%	No	IPRT	Hysteresis included, points only. Approved on 10 November 2015
Temperature	IPRT	Comparison in liquid bath	0	90	°C			25	mK	2	95%	No	IPRT	Hysteresis included, points only. Approved on 10 November 2015
Temperature	IPRT	Comparison in liquid bath	90	250	°C			30	mK	2	95%	No	IPRT	Hysteresis included, points only. Approved on 10 November 2015
Temperature	IPRT	Comparison in ice bath	0	0	°C			10	mK	2	95%	No	IPRT	Hysteresis included, points only. Approved on 10 November 2015
Temperature	Temperature sensor with display unit	Comparison in liquid bath	-30	0	°C			30	mK	2	95%	No	DT	IPRT (Hysteresis included) and thermistor sensors, points only. Approved on 10 November 2015
Temperature	Temperature sensor with display unit	Comparison in liquid bath	0	90	°C			30	mK	2	95%	No	DT	IPRT (Hysteresis included) and thermistor sensors, points only. Approved on 10 November 2015
Temperature	Temperature sensor with display unit	Comparison in liquid bath	90	250	°C			30	mK	2	95%	No	DT	IPRT (Hysteresis included) and thermistor sensors, points only. Approved on 10 November 2015
Temperature	Liquid in glass thermometer	Comparison in liquid bath	-30	0	°C			45	mK	2	95%	No	LIGT	Total, Mercury-filled, Graduation 0.05 °C, Points only. Approved on 10 November 2015
Temperature	Liquid in glass thermometer	Comparison in liquid bath	0	90	°C			45	mK	2	95%	No	LIGT	Total, Mercury-filled, Graduation 0.05 °C, Points only. Approved on 10 November 2015
Temperature	Liquid in glass thermometer	Comparison in liquid bath	90	250	°C			45	mK	2	95%	No	LIGT	Total, Mercury-filled, Graduation 0.05 °C, Points only. Approved on 10 November 2015