

501. Contact thermometry

Item of Calibration	Field Code	Range	CMC (Confidence level approximately 95 %)	Comments
Temperature generators: Oven Furnace Liquid Bath Ice-point Bath Dry-block	50101	(-40 ~ 200) °C (250 ~ 1 100) °C (1 100 ~ 1 300) °C (-40 ~ 250) °C 0 °C (-40 ~ 140) °C (140 ~ 250) °C (250 ~ 1 100) °C	1.0 °C 0.7 °C 2.1 °C 0.11 °C 0.02 °C 0.04 °C 0.07 °C 0.8 °C	Referance Thermometer Thermomecoules(noble,base) SPRT /SRST-CI-50101-1 /SRST-CI-50101-2 /SRST-CI-50101-3 /SRST-CI-50101-4 /SRST-CI-50101-5
Temperature indicators/ recorders/ controllers, temperature calibrators Including sensor Except sensor E J K N T R S	50102	(-40 ~ 250) °C (250 ~ 1 100) °C (1 100 ~ 1 300) °C (0 ~ 900) °C (-40 ~ 900) °C (-40 ~ 1 300) °C (-40 ~ 1 300) °C (-40 ~ 400) °C (0 ~ 1 300) °C (0 ~ 1 300) °C	0.08 °C 1.1 °C 2.2 °C 0.46 °C 0.46 °C 0.46 °C 0.65 °C 0.55 °C 1.5 °C 1.5 °C	Thermomecoules(noble) SPRT /SRST-CI-50102
Glass thermometers; liquid-in-glass, Beckmann	50103	(-40 ~ 250) °C	0.1 °C	SPRT /SRST-CI-50103
Resistance thermometers; SPRT, IPRT, thermistors, etc.	50104	(-40 ~ 250) °C	0.08 °C	SPRT /SRST-CI-50104
Thermal expansion thermometers; bimetal, gas or liquid type	50105	(-40 ~ 250) °C	0.4 °C	SPRT /SRST-CI-50105
Thermomecoules Base Metal Noble Metal	50106	(-40 ~ 250) °C (250 ~ 1 100) °C (1 100 ~ 1 300) °C (0 ~ 1 100) °C (1 100 ~ 1 300) °C	0.2 °C 0.9 °C 2.1 °C 1.2 °C 2.2 °C	Thermomecoules(noble) SPRT /SRST-CI-50106-1 /SRST-CI-50106-2
Temperature transducers	50107	(-40 ~ 250) °C (250 ~ 1 100) °C (1 100 ~ 1 300) °C	0.43 °C 1.7 °C 2.6 °C	Thermomecoules(noble) SPRT /SRST-CI-50107