

Calibration Standards

Description: Calibration standard type "S" Platinum 10% Rhodium vs. pure Platinum. Reference grade wire certified to ITPS-90 is used to manufacture each standard. Each standard will be calibrated against an N.I.S.T. traceable thermocouple. Temperature vs. emf data will be furnished with each standard, as well as complete documentation traceable to the N.I.S.T. standard. Recalibration services are offered for standards manufactured by Idaho Labs Corp or other companies.

Specifications:

- Wire size 24 awg .5mm (.020")
- Standard immersion length is 600mm (24"). Other lengths are also available.
- Insulation is provided by a high purity, hard fired, aluminum oxide insulator which is 3.2mm (.125") diameter. A closed end protection tube is offered if desired. This ceramic is 6.35mm (.250") outside diameter.
- The non-sensing end of the standard can be furnished with a variety of terminations. Some of the options available are:
 - a. Compensating alloy male plug with a tube adapter clamped to the protection tube.
 - b. Transition fitting to compensating alloy flexible lead wire.

Note: To achieve the highest accuracy, a transition fitting using the same type "S" wire as the standard should be used up to the ice point. From the ice point, flexible copper leads will be used.

Calibration standard with compensated plug



Calibration standard with compensated lead wire

