



ABGEWINKELTE REFERENZTHERMOMETER -50°C BIS 250°C

Das Referenzthermometer 935-14-75 ist als Referenzthermometer im Blockkalibrator zur Kalibrierung von Prüflingen mit Messumformern konzipiert. Im Gegensatz zu vielen Normal-Thermometern sind die Referenzthermometer mit einem stabilen Metallmantel versehen. Der Temperatursensor besteht aus einem drahtgewickelten Messwiderstand aus eigener Herstellung (ISOTECH), der für die gute Stabilität und geringe Drift verantwortlich ist.

Hersteller: ISOTECH

Modell: 935-14-75

SKU: KK-916

Categories: [ISOTECH Präzisions-Thermometer \(Pt100\)](#)

Tags: [Bezugsnormal](#), [Pt100](#), [Referenz](#), [Temperaturfühler](#), [Temperatursensor](#), [Widerstandsthermometer](#)

PRODUCT DESCRIPTION

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**Reference Probes - Semi Standards
Platinum Resistance Thermometers**

■ High Accuracy Reference Thermometers
 ■ Superior Stability (Minimum Self-Heating)
 ■ Wide Range and Cool Efficiency

These feature industrial platinum resistance thermometers are ideal for high-accuracy applications. The range is suitable for use as working standards in City Blocks and Local Baths or as high accuracy sensors for our range of precision thermometers and ranges.

All of these thermometers are metal sheathed and are built with high and more efficient than the best range of fine Standard Platinum Resistance Thermometers that are specially made in specialist facilities. Details of these are to be found in our publication "Sensors for Process and Laboratory Calibration".

All these semi-standards use handmade, high stability platinum coil elements and offer wide temperature ranges with high accuracy and low self-heating. The complete thermometers undergo annealing and a proprietary thermal processing regime. The ability to withstand use in multiple temperature cycles.

We recommend third accredited calibration for such semi-standard PRTs and the particular operating range and application. The calibration uncertainty can be as low as 0.01°C over a wide temperature range and typically better than 0.01°C over 100°C. Our fully traceable thermometers can be used with confidence that is much better than the best in class of IEC 60751. We offer a wide range of options to offer help and advice on the most appropriate calibration for different applications.

We performance of high-precision thermometers. Our having short length platinum coils. The internal wiring element lengths are all a maximum of 10cm, with other manufacturers that are longer sensing elements. All require a minimum immersion depth or with all larger than standard leads.

We recommend a minimum thermometer length of 10cm for use up to 200°C and 15cm for higher temperatures. This allows the element to be calibrated with good immersion lengths in calibration or 100-150 mm long coils. For some applications, shorter lengths are needed and we have a range that is ideal for 20-100°C calibration. Our thermometers calibration with City Blocks often cannot be calibrated to the same standards as longer probes.

All the manufacturers of these semi-standards PRTs are normally platinum resistance probe quality.

General Specifications	
IEC	60751 + Class B
Alpha	0.00385 ± 0.00050
Standard	IEC 60751
Stability	0.01°C over
Recommended Current	1mA
Self-Heating at 1mA	0.004°C
Calibration	Customer Aided Calibration at any time See note for normal operation
Connection	Four Wire
Max. Handle Temperature	50°C

[Datenblatt Platin-Widerstandsthermometer](#)

