

## SHORT INDUSTRIAL RESISTANCE THERMOMETER

**beamex**  
A BETTER WAY TO CALIBRATE



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# Beamex SIRT-155 Pt100 probe

The Beamex SIRT-155 is a very short temperature probe provided with a thin flexible cable. SIRT-155 is a great solution to be used as a short reference sensor when calibrating short sanitary sensors with Beamex MC6-T150 temperature calibrator. But SIRT-155 can be also used as a general-purpose small temperature sensor. SIRT-155 offers a temperature range from -30 °C to 155 °C (-22 to 311 °F).

SIRT-155 is a standard IEC60751 Pt100 sensor and can be used without any coefficients. If you need better accuracy, you can use the probe with the provided ITS-90 coefficients. SIRT-155 is provided with a handy Lemo connector, so it can be easily connected into several Beamex calibrators. With an adapter cable to 4 banana plugs, it can be also connected into any Pt100 measuring device.

### MAIN FEATURES:

- Short sensor with thin flexible cable
- Optimal for calibration of short sanitary sensors
- Temperature range -30 °C to 155 °C (-22 to 311 °F)
- Provided with a 6 pin Lemo connector compatible with many Beamex calibrators
- Comes with an accredited calibration certificate with data and ITS-90 coefficients

### SPECIFICATIONS

| FEATURE  | SPECIFICATION   |
|--|---|
| Structure  | Platinum ThinFilm Pt100 4-wire connection in stainless steel casing                             |
| Temperature range                                    | -30 °C to 155 °C (-22 to 311 °F)  |
| Accuracy with ITS-90 coefficients) <sup>(1)</sup>    | 0.02 °C   |
| Accuracy without ITS-90 coefficients) <sup>(1)</sup> | IEC 60751 Class A (0.15 °C + 0.02% of reading)  |
| Dimensions   | Ø 3 mm x 30 mm (0.12" x 1.18"), 10 mm (0.39") bending protection                                |
| Cable  | 1.5 m (4.92') long PTFE cable   |
| Connector  | 6 Pin Lemo connector, compatible with several Beamex products                                   |
| Weight   | ~ 28 g (0.06 lb)  |
| Calibration  | Accredited calibration certificate included as standard, including data and ITS-90 coefficients |
| Warranty   | 1 year  |

1) Excluding calibration uncertainty

To use the SIRT-155 probe with a calibrator with four banana plugs, please use the adapter (code 8120500) available as an optional accessory.

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