

STANDARD THERMOCOUPLE 'R' & 'S'

Model : MTC - 01 (without Cold Junction Compensation)



INTRODUCTION

Reference standard Type 'R' & 'S' thermocouples are made from High purity reference grade platinum and platinum rhodium alloy. It covers Temperature range up to 1500°C. It is commonly used as reference standard to calibrate Industrial thermocouples. This sensors are assembled with 6mm OD, 450mm or 600mm long gas tight 99.7% high Alumina sheath. This type thermocouples, besides the low ageing drift, also offers the advantage of a low basic tolerance value.

APPLICATIONS

- ☐ Industrial, Laboratories
- ☐ Calibration Labs Etc.,.

This enable easy comparative calibration in Temperature bath, Furnace, Dry well calibrators, Sensors etc.,.

FEATURES

- ✓ High Stability
- ✓ Low drift
- ✓ Long life
- ✓ Wide temperature range

Technical Specifications

Model		MTC - 01
Range	(a) (b)	200 to 1500°C 100 to 1200°C
Type		R , S
Accuracy		Class 1 (0.6°C or 0.1% of Temperature which ever is greater)
Temperature Scale		ITS-90
Sheath material		K-99 grade ceramic
Thermocouple wire dia		0.5mm
Probe dia & Length		6mm OD & 450mm Length
Cable Length		1.5 meter long with male female, Miniature Omega connector
Handle Dimension		20mm OD & 100mm Length
Calibration certified		ISO/IEC 17025 Accredited 5 point

Note: Due to continuous product improvements, Published specifications may change with out notice

ORDERING INFORMATION

MTC – 01a – S
MTC – 01b – R

Type S – S-Type Thermocouple
R – R-Type Thermocouple

Range: a – 200 to 1500°C
b – 100 to 1200°C



01 – Model

MTC – Master Thermocouple



SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879
(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

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