

NEW MC2100**Multifunction Calibrator****Measure & Simulate: DC Voltage, Current, Resistance, Thermocouples, RTDs, & Pressure**

- **2 Universal Channels, Independent & Isolated from Each Other, Operating Simultaneously**
- **Input & Output Channels Have a Transmitter Power Supply of 24V**
- **External Pressure Modules Up to 700 Bar**
- **Measure & Simulate:**
 - 8 Types of T/C's
 - 6 Types of RTD's
 - Current, Voltage, & Resistance
- **High Accuracy .015% of Reading**
- **Simple Keyboard with Only 6 Keys**
- **Large Backlit Graphical Display**
- **Rechargeable Battery**
- **Traceable Calibration Certificate**

**MC2100****MC2100-P****Accurate****Cost Effective****Efficient****Fast****Compact****Reliable****Easy to Use**



MC2100 Multifunction Calibrator



Technical Specifications

Type of Sensor	Range	Resolution	Accuracy
TC J	-210 to 1200°C	0.01°C	±0.015% rdg + 0.1°C
TC K	-270 to 1372°C	0.01°C	±0.015% rdg + 0.1°C
TC N	-270 to 1300°C	0.01°C	±0.02% rdg + 0.1°C
TC E	-270 to 1000°C	0.01°C	±0.02% rdg + 0.1°C
TC T	-270 to 400°C	0.01°C	±0.02% rdg + 0.1°C
TC R	-50 to 1768°C	0.1°C	±0.02% rdg + 0.2°C
TC S	-50 to 1768°C	0.1°C	±0.02% rdg + 0.2°C
TC B	0 to 1820°C	0.1°C	±0.02% rdg + 0.3°C
Pt100 IEC	-200 to 850°C	0.01°C	±0.02% rdg + 0.05°C
Pt100 JIS	-200 to 600°C	0.01°C	±0.02% rdg + 0.05°C
Pt100 SAMA	-200 to 600°C	0.01°C	±0.02% rdg + 0.05°C
Pt100 IEC	-200 to 850°C	0.01°C	±0.02% rdg + 0.05°C
Cu10	-100 to 260°C	0.1°C	±0.02% rdg + 0.4°C
Ni 120	-80 to 260°C	0.01°C	±0.02% rdg + 0.05°C
mV	-21 to 210mV	1µV	±0.015% rdg + 3µV
mV	-210 to 2100mV	10µV	±0.015% rdg + 10µV
mV	-2 to 20V	100µV	±0.015% rdg + 0.1mV
mA (In) Passive Loop	0 to 21mA	0.1µA	±0.015% rdg + 0.4µA
mA (In) Active Loop	0 to 51mA	0.1µA	±0.015% rdg + 0.4µA
mA (Out)	0 to 51mA	0.1µA	±0.02% rdg + 0.4µA
Ω (In)	0 to 4000 Ω	10mΩ	±0.02% rdg + 120mΩ
Ω (Out)	0 to 500 Ω	1mΩ	±0.02% rdg + 20mΩ
Ω (Out)	0 to 4000 Ω	10mΩ	±0.02% rdg + 200mΩ

Designed to Meet Your Test & Calibration Needs In the Field or Laboratory

Easy Operation & Configuration with 3 Self-Explanatory Menus

Optional Models with Multiple External Pressure Modules - Up to 700 Bar (10,500 PSI)

Compact, Durable, & Easy to Use

Pressure Ranges

Range	Resolution	Accuracy
-100 to 100 mbar	0.001mbar	±0.025 % F.S.
-500 to 500 mbar	0.01mbar	±0.025 % F.S.
-1 to 2 bar	0.01mbar	±0.025 % F.S.
-1 to 20 bar	0.1mbar	±0.025 % F.S.
0 to 70 bar	1mbar	±0.025 % F.S.
0 to 150 bar	1mbar	±0.025 % F.S.
0 to 350 bar	10mbar	±0.025 % F.S.
0 to 700 bar	10mbar	±0.025 % F.S.

Ordering Information

Model No.	Description
MC2100	Mc2100 Multifunction Calibrator
MC2100-P	MC2100-P Multifunction Calibrator with 1 Pressure Sensor*
MC2100-P2	MC2100-P Multifunction Calibrator with 2 Pressure Sensors*

All MC2100 Include: Traceable Calibration Certificate, Operation Manual, Vinyl Carrying Case, AC Charger

*Specify Pressure Ranges Required



Visit us at Transcat.com!

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