

Oyster[®] Multifunction Process Calibrator

Precision Source and Measure

For thermocouples (Types J, K, and T), mA, mV, and V devices

Features:

- Source 0 to 24mA with 0.01mA resolution
- Measure 0 to 50mA (0.1mA resolution)
- Select Type J, K, or T thermocouple for precision calibrations in °F/°C or mV
- Output 0 to 1999mV or 0 to 10.00V
- Measure 0 to 19.99V
- Single/continuous step function for Voltage and Current
- Self-contained 24V loop power supply drives current loads up to 1000Ω
- 5Memory for 5 user settable output values of each type for fast calibrations
- Complete with six AA batteries and calibration cable with spade lug terminals



The Oyster[®] trademarked design with the convenient adjustable flip up display for better viewing angle

| Specifications | Range | Accuracy (of reading) |
|-------------------|--|---|
| Source | | |
| Current | 0 to 24mA, -25% to +125% | ±(0.075% + 1 digit) or ± 3 digits, whichever is greater |
| Voltage | 0 to 10V | ±(0.075% + 1 digit) or ± 3 digits, whichever is greater |
| Type J | -58 to 1830°F (-50 to 1000°C) | ±(0.15% + 1.8°F or 1°C) |
| Type K | -58 to 2498°F (-50 to 1370°C) | ±(0.15% + 1.8°F or 1°C) |
| Type T | -184 to 752°F (-120 to 400°C) | ±(0.15% + 1.8°F or 1°C) |
| Loop Power | 24V | ±(10μV ± 1 digit) |
| Max. Load | 1000Ω @ 24mA | |
| Measure | | |
| Current | 0 to 50mA, -25% to +230% | ±(0.075% + 1 digit) or ± 3 digits, whichever is greater |
| Voltage | 0 to 20V | ±(0.075% + 1 digit) or ± 3 digits, whichever is greater |
| Type J | -58 to 1830°F (-50 to 1000°C) | ±(0.15% + 1.8°F or 1°C) |
| Type K | -58 to 2498°F (-50 to 1370°C) | ±(0.15% + 1.8°F or 1°C) |
| Type T | -184 to 752°F (-120 to 400°C) | ±(0.15% + 1.8°F or 1°C) |
| Dimensions/Weight | 3.8 x 4.7 x 2.0" (96 x 118 x 45mm)/12oz (340g) | |

Ordering Information:

412400Multifunction Calibrator
412400-NIST..412400 with NIST Certificate



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