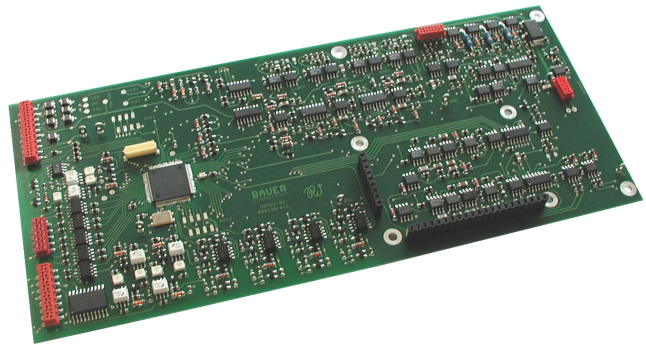


Power-Supplies with Integrated Current and Voltage Meter

**USM03-TFT****USM03-PC****USM03-OEM****Features**

- ± 8 Volt, ± 350 mA
- Current Measurement Resolution ~ 5 pA
- 4-Wire Kelvin-Sensing with Contact-Check
- 8 Digital Output Lines for Multiplexer or Scanner
- 4 General-Purpose Software Programmable I/O Lines (e.g. Trigger, SOT, EOT)
- RS232 Interface to HP34401 or Fluke 8846 for automatic self-calibration
- Digitally Controlled via RS485

Options

- **TFT:** Graphic User Interface
- **PC:** reasonably priced version without user interface
- **OEM:** PCB only
- **RTD:** 4-Wire PT100-Sensor Input
Measurement Range $-50^{\circ}\text{C}..+200^{\circ}\text{C}$
Resolution 5mK, Accuracy $\pm 5\text{mK}@25^{\circ}\text{C} \pm 3\text{mK} / ^{\circ}\text{C}$ of Ambient Temperature Change
AC-Excitation provides almost total immunity against parasitic thermocouples and DC-Offsets
Lock-In Demodulation for superior noise rejection even at long unshielded wires
- **1W:** 1-Wire Input for Silicon Serial Number (Maxim DS2401)