



### description

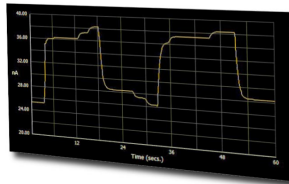
The 9103 is a versatile, general-purpose picoammeter designed to accurately measure DC current from the nA to mA range. The easy-to-read user interface is designed to provide optimal control and quick access to all functions. Features such as an ASCII programming language and data recording/graphing are standard.

### applications

- Electron & ion beam current measurements
- Mass spectrometer current measurements
- Photodiode current & leakage measurements
- Beam and particle monitoring
- Spectrometer measurements
- Data logging current comparisons



### benefits



**USB Interface:** Windows® XP/7 software included

**Data Recording:** Sample data can be recorded and saved

**Data Graphing:** Real-time graphing with polarity options

**Programmable:** ASCII command interface

**Bias (Optional):** Increases accuracy of electron or ion beam current measurements by reducing secondary electron emission

### specifications

USB Interface	160 mW power consumption
2 nA minimum DAC Resolution	0.1 pA
2 mA minimum DAC Resolution	100 nA
Range	2 nA to 2 mA with 100 fA resolution
Connections	Input: BNC; Analog Output: Banana jacks
Bias Options	No Bias; Internal ( $\pm 90$ V DC); External (BNC)