CTR-201
Curve Tracer

Key Features
- Plots device characteristics for diodes, transistors, MOSFETs, JFETs, and more!
- Up to 30V test voltage at 1A test current
- True voltage and current source drive amplifiers
- High resolution measurements
- Pulsed test mode to minimize device dissipation
- Auto-scaling real-time plotting during analysis
- Sample-by-sample power and current limiting
- Open-source software

Applications
Education
Measure device characteristics to show students how to interpret the curves and relate them to measuring device parameters.

Modelling
Use device curves to construct detailed circuit models for simulation.

Device Testing
Determine if a device is functional diagnose its failure mode.

Inspection
Verify that a device meets manufacturer specifications.

Match Devices
Sort devices into matched pairs by comparing characteristics

Circuit Development
Determine the principal characteristics of an unknown device or test the response of a circuit network.

Specifications
- Emitter/Source Output: 30V, 9.5mV resolution
- Collector/Drain Output: 30V, 9.5mV resolution
- Base/Gate Output:
  - Current output low range: 0 to 1mA, 2uA resolution
  - Current output high range: 0 to 1A, 200uA resolution
  - Voltage range: 0-30V, 9.5mV resolution, Rint=4700Ω
- Thermal and over-current protection
- Dimensions: 4.125 x 1.3 x 6” (105 x 33 x 110 mm)
- Wall Adapter 48VDC/1A Switching Supply
- CE, (C)UL Approved
- 1.9 x 1.3 x 4.5” (48 x 32 x 114mm)

Compatibility
- Windows 2000/XP/Vista/7/8
- Linux
- Mac OS X

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