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Data Sheet

August 14, 2026

AMETEK / XANTREX / SORENSEN

Ametek / Xantrex / Sorensen XTS 20-3 DC Power Supply

The Ametek Xantrex Sorensen XTS 20-3 is a 60 W programmable linear DC power supply engineered for benchtop and rack-mounted laboratory, OEM, and manufacturing applications. This quarter-rack unit delivers precise voltage and current adjustment with simultaneous digital and analog bar graph displays, coupled with exceptional line and load regulation for demanding test environments. Programming & Interface Options Optional interface cards enable remote operation and system integration: Analog programming (0–10 VDC control) RS-232 serial interface GPIB interface LabVIEW and LabWindows software drivers available

Compatibility & Integration Up to four independent XTS 20-3 units can be combined in rack-mounted configurations for modular multi-output systems. Compatible with HPD-series rack integration. Aumictech offers NIST-traceable calibration and repair for the Ametek / Xantrex / Sorensen XT

**MODEL****Ametek / Xantrex /
Sorensen XTS 20-
3****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****XTS 20-3****LISTING**[https://aumictechlabs.c
om/products/xts-20-3-
3/](https://aumictechlabs.com/products/xts-20-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek Xantrex Sorensen XTS 20-3 is a 60 W programmable linear DC power supply engineered for benchtop and rack-mounted laboratory, OEM, and manufacturing applications. This quarter-rack unit delivers precise voltage and current adjustment with simultaneous digital and analog bar graph displays, coupled with exceptional line and load regulation for demanding test environments.

Technical Specifications

Output Characteristics

Voltage output: 0–20 Vdc
Current output: 0–3 A
Power: 60 W
Line regulation: <0.01% of maximum output for $\pm 10\%$ input voltage variation
Load regulation: <0.01% of maximum output for 90% load change
Output noise and ripple: <1 mVrms (20 Hz–20 MHz)
Transient response: <20 μ s to within ± 50 mV of set level for 90% load change

Input Power

AC input: 115 VAC $\pm 10\%$, 57–63 Hz, single phase (optional inputs: 110/220/230/240 VAC $\pm 10\%$, 47–63 Hz)

Protection & Operating Modes

Constant voltage (CV) or constant current (CC) operation with automatic crossover and mode indication
Over voltage protection (OVP)
Over temperature protection
Current limit
Constant power load support

Key Features

Simultaneous LED voltage and current displays with analog bar graph indicators
10-turn voltage adjustment potentiometer; 1-turn current control (optional 10-turn)
Front and rear output connectors
CSA C22.2 No. 107.1 certified; FCC Part 15B Class A and ICES-001 Class A compliant; CE marked
Compact dimensions: 5.2 $\times$ 4.2 $\times$ 11.7 inches (134.7 $\times$ 109.2 $\times$ 297 mm); 7.7 lb (3.5 kg)

Programming & Interface Options

Optional interface cards enable remote operation and system integration:
Analog programming (0–10 VDC control)
RS-232 serial interface
GPIB interface
LabVIEW and LabWindows software drivers available

Compatibility & Integration

Up to four independent XTS 20-3 units can be combined in rack-mounted configurations for modular multi-output systems. Compatible with HPD-series rack integration.

XTS20 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 20 V
Output Current	0 to 3 A
Output Power	60 W
Line Regulation Voltage	4 mV
Line Regulation Current	55 mA
Load Regulation Voltage	4 mV
Load Regulation Current	0.55 mA
Output Noise Voltage RMS 20 Hz To 20 MHz	less than 1 mVrms
Output Noise Current RMS	less than 2 mArms
Meter Accuracy Voltage	0.3 V
Meter Accuracy Current	0.04 A
Drift 8 Hours Voltage	4 mV
Drift 8 Hours Current	0.9 mA
Temperature Coefficient Voltage	3 mV perCTemperature Coefficient Current: 0.6 mA perCProgram Accuracy Voltage With Interface: 20 mV plus 0.15 percent
Program Accuracy Current With Interface	50 mA plus 0.15 percent
Program Accuracy OVP With Interface	200 mV
Readback Accuracy Voltage With Interface	10 mV plus 0.1 percent
Readback Accuracy Current With Interface	50 mA plus 0.15 percent
Voltage Mode Transient Response	less than 100 us to 0.05 percent band for plus or minus 50 percent load change
AC Input Standard	115 Vac plus or minus 10 percent 57 to 63 Hz
Operating Temperature Full Rating	0 C to 30 C
Size HxWxD	134.7 mm x 109.2 mm x 297 mm

PARAMETER	VALUE
Weight Approximate	3.5 kg
Operating temperature	Full Rating: 0 C to 30 C

XTS20 Specifications

PARAMETER	VALUE
Key Features	Linear regulated low noise output
Automatic CV/CC crossover with mode indication	Front and rear outputs with remote sense 0.5 V per line
Technical Specifications	Output Voltage: 0 to 20 V

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Full Rating: 0 C to 30 C
Operating Temperature	Full Rating: 0 C to 30 C
Operating Temperature Full Rating	0 C to 30 C
Size HxWxD	134.7 mm x 109.2 mm x 297 mm
Weight Approximate	3.5 kg Notes Numeric rows from Sorensen XT Series 42 to 60 W datasheet column for XT 20-3. XTS designates the single unit benchtop/system package of that model.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Output Voltage	0 to 20 V
Output Current	0 to 3 A
Output Power	60 W
Line Regulation Voltage	4 mV
Line Regulation Current	55 mA
Load Regulation Voltage	4 mV
Load Regulation Current	0.55 mA
Output Noise Voltage RMS 20 Hz To 20 MHz: less than 1 mVrms	
Specifications	
PARAMETER	VALUE
Output Noise Current RMS	less than 2 mA rms
Meter Accuracy Voltage	0.3 V
Meter Accuracy Current	0.04 A
Drift 8 Hours Voltage	4 mV
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Temperature Coefficient Voltage	3 mV perCTemperature Coefficient Current: 0.6 mA perCProgram Accuracy Voltage With Interface: 20 mV plus 0.15 percent
Program Accuracy Current With Interface	50 mA plus 0.15 percent
Program Accuracy OVP With Interface	200 mV
Readback Accuracy Voltage With Interface	10 mV plus 0.1 percent
Readback Accuracy Current With Interface	50 mA plus 0.15 percent
Voltage Mode Transient Response	less than 100 us to 0.05 percent band for plus or minus 50 percent load change
AC Input Standard	115 Vac plus or minus 10 percent 57 to 63 Hz
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PARAMETER	VALUE
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Weight Approximate	3.5 kg
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Notes

Numeric rows from Sorensen XT Series 42 to 60 W datasheet column for XT 20-3. XTS designates the single unit benchtop/system package of that model.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.