

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AMETEK / XANTREX / SORENSEN

Ametek / Xantrex / Sorensen XTS 15-4 DC Power Supply

The Ametek Xantrex Sorensen XTS 15-4 is a 60 W programmable linear DC power supply designed for benchtop and system integration in laboratory, industrial, development, and OEM environments. This quarter-rack unit delivers 0–15 V DC at 0–4 A with automatic constant-voltage/constant-current crossover, dual digital displays, and dual LED analog bar graphs for real-time output monitoring. Typical Applications Benchtop characterization, system development, laboratory testing, industrial burn-in, and OEM embedded power applications requiring stable, precisely regulated DC output. Note: The XT Series is obsolete. Replacement products are available in the XEL Series. Aumictech offers NIST-traceable calibration and repair for the Ametek / Xantrex / Sorensen XTS 15-4. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days

**MODEL****Ametek / Xantrex /
Sorensen XTS 15-4****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****XTS 15-4****LISTING**[https://aumictechlabs.c
om/products/xts-15-4-
3/](https://aumictechlabs.com/products/xts-15-4-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ametek Xantrex Sorensen XTS 15-4 is a 60 W programmable linear DC power supply designed for benchtop and system integration in laboratory, industrial, development, and OEM environments. This quarter-rack unit delivers 0–15 V DC at 0–4 A with automatic constant-

voltage/constant-current crossover, dual digital displays, and dual LED analog bar graphs for real-time output monitoring.

Technical Specifications

Output Power: 60 W Voltage Range: 0–15 V DC
Current Range: 0–4 A DC Line Regulation: $\pm 0.02\% + 4 \text{ mV}$ (constant rated load) Load Regulation: $\pm 0.02\% + 4 \text{ mV}$ (0–100% load variation) Transient Response: 100 μs ($\pm 50\%$ load change, typical)

Form Factor: Quarter-rack package

Key Features

- Simultaneous digital voltage and current display
- Dual LED analog bar graphs with transient change indication
- Fully adjustable current limit (zero to rated output) via ten-turn potentiometer
- High-resolution voltage control with ten-turn potentiometer
- Impedance-switched remote sensing for accurate load-side voltage measurement
- Automatic CV/CC mode crossover with mode indication LEDs
- Short-circuit protected outputs
- Front panel 5-way binding posts and rear panel barrier strip connections
- Parallel and series operation capability across multiple units

Interfaces and Control

Analog Programming Interface (APG): Voltage and current control, overvoltage protection, master/slave tracking, remote ON/OFF

RS-232 Interface: Serial instrument programming

GPiB Interface: Full IEEE-488 remote digital programming

SAMI Interface: Single address multichannel serial linking at one IEEE-488 address

Typical Applications

Benchtop characterization, system development, laboratory testing, industrial burn-in, and OEM embedded power applications requiring stable, precisely regulated DC output. Note: The XT Series is obsolete. Replacement products are available in the XEL Series.

XTS15 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 15 V
Output Current	0 to 4 A
Output Power	60 W
Line Regulation Voltage	3.5 mV
Line Regulation Current	65 mA
Load Regulation Voltage	3.5 mV
Load Regulation Current	0.65 mA
Output Noise Voltage RMS 20 Hz To 20 MHz	less than 1 mVrms
Output Noise Current RMS 20 Hz To 20 MHz	less than 2 mArms
Meter Accuracy Voltage	0.25 V
Meter Accuracy Current	0.05 A
Drift 8 Hours Voltage	3 mV
Drift 8 Hours Current	1.2 mA
Temperature Coefficient Voltage	2.25 mV perCTemperature Coefficient Current: 0.8 mA perCProgram Accuracy Voltage Class: 20 mV plus 0.1 percent
Program Accuracy Current Class	70 mA plus 0.15 percent
Program Accuracy OVP	150 mV
Readback Accuracy Voltage Class	10 mV plus 0.1 percent
Readback Accuracy Current Class	70 mA plus 0.15 percent
Voltage Mode Transient Response Time	less than 100 us recovery to 0.05 percent band
Remote Sense Line Drop Compensation	0.5 V per line
Front Panel Voltage Control Resolution	0.02 percent of maximum voltage
Operating Temperature Full Output	0 C to 30 C
Storage Temperature	minus 55 C to 85 C
Dimensions WxHxD	4.2 in x 5.2 in x 11.7 in

PARAMETER	VALUE
Weight Approximate	7.7 lb (3.5 kg)
Operating temperature	Full Output: 0 C to 30 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 55 C to 85 C
Operating temperature	Full Output: 0 C to 30 C
Operating Temperature	Full Output: 0 C to 30 C
Operating Temperature Full Output	0 C to 30 C
Dimensions WxHxD	4.2 in x 5.2 in x 11.7 in
Weight Approximate	7.7 lb (3.5 kg) Notes Numeric rows from AMETEK Programmable Power / Sorensen XT Series 42 to 60 W datasheet for model XT 15-4. Queue listing XTS 15-4 maps to the single unit XT configuration. Specs typical at 25 C plus or minus 5 C.

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.

performance with automatic CV/CC crossover in a quarter rack package.

Applications

Benchtop and quarter rack OEM DC bias, low noise laboratory sourcing, and modular multi output XT dual triple or quad packages.

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

Optional GPIB RS-232 and analog programming cards

LabVIEW and LabWindows drivers on interface options

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Output Voltage	0 to 15 V
Output Current	0 to 4 A
Output Power	60 W
Line Regulation Voltage	3.5 mV
Line Regulation Current	65 mA
Load Regulation Voltage	3.5 mV
Load Regulation Current	0.65 mA

Output Noise Voltage RMS 20 Hz To 20 MHz: less than 1 mVrms

Output Noise Current RMS 20 Hz To 20 MHz: less than 2 mA rms

Specifications

PARAMETER	VALUE
Meter Accuracy Voltage	0.25 V
Meter Accuracy Current	0.05 A
Drift 8 Hours Voltage	3 mV
Drift 8 Hours Current	1.2 mA
Temperature Coefficient Voltage	2.25 mV per °C
Temperature Coefficient Current	0.8 mA per °C
Program Accuracy Voltage Class	20 mV plus 0.1 percent
Program Accuracy Current Class	70 mA plus 0.15 percent
Program Accuracy OVP	150 mV
Readback Accuracy Voltage Class	10 mV plus 0.1 percent
Readback Accuracy Current Class	70 mA plus 0.15 percent

PARAMETER	VALUE
Voltage Mode Transient Response Time	less than 100 us recovery to 0.05 percent band
Remote Sense Line Drop Compensation	0.5 V per line
Front Panel Voltage Control Resolution	0.02 percent of maximum voltage
Operating Temperature Full Output	0 C to 30 C
Storage Temperature	minus 55 C to 85 C
Dimensions WxHxD	4.2 in x 5.2 in x 11.7 in
Weight Approximate	7.7 lb (3.5 kg)

Notes
Numeric rows from AMETEK Programmable Power / Sorensen XT Series 42 to 60 W datasheet for model XT 15-4.
Queue listing XTS 15-4 maps to the single unit XT configuration. Specs typical at 25 C plus or minus 5 C.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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