

DT5423

Quad Linear Desktop Power distributor for A1422 Preamplifiers and DT57xx Digitizers



Features



- Four DB9 connectors (± 12 V) to supply A1422 Preamplifiers
- One plug connector to supply DT57xx family desktop digitizers
- Ripple: < 5 mVpp on preamplifier power supplies; < 10 mVpp on digitizer power supply

Description

The CAEN **Mod. DT5423** is a desktop power supply for **A1422** and **A1424** preamplifiers and DT57xx Digitizers family. It provides four standard 9-pin "D-type" female connectors to supply up to four A1422 or A1424 preamplifiers plus one plug connector to supply DT57xx desktop digitizers. Each output is filtered. The +12 V power supply for the digitizer is provided through a 6 pin Shielded Miniature Circular DIN Connector.

D-Sub9 connector

9 pin female connector for DT5423

Consult our **connectors reference page** for technical information.

The kit includes the cable (1.5 m long) to connect Digitizer Supply output with DT57xx Desktop Digitizers (2.1mm DC Power Jack).

Technical Specifications

Mechanical Packaging

Desktop module (154 x 50 x 164 mm³). Weight 1.65kg

PreAmp 1,2,3,4

- +12 V / 400 mA (max total for 4 output)
- -12V / 200 mA (max total for 4 output)
- 4 Sub D9 female connectors

Digitizer Supply

- +12V / 2.1 A
- TE Connectivity type 5750071-1 Shielded Mini Circular DIN Connector 6MINI-DIN

Noise performance

- $\pm 12V$ OUT on PreAmp 1÷4 connectors: ripple 5 mVpp
- +12V OUT on Digitizer Supply connector: ripple 10 mVpp

Measurement conditions

20 MHz bandwidth limited oscilloscope, AC-coupled, capacitive load 10 nF on OUT in measurement, OUT at full load (400 mA total on + 12V OUT on PreAmp 1÷4 connectors; 200 mA total on - 12V OUT on Preamp 1÷4 connectors; 2.1 A on + 12V Digitizer Supply connector).

Input

230V ~ 50Hz or 115V ~ 60Hz; C14 Type Inlet (Fused)

Fuse

230 V: T500 mA; 110 V: T1A 5 x 20 mm

GND

- $\pm 12V$ power supply return
- Industrial Terminal for 4mm plug and wire
- connection up to 2mm \varnothing (black)

EARTH

- Mains EARTH
- Industrial Terminal for 4mm plug and wire connection up to 2mm \varnothing (yellow)

Ordering Options

| Code | Description |
|-------------|--|
| WDT5423XAAA | DT5423 - Desktop Linear Power Supply for A1422-A1424 Preamplifiers & DT57xx Digitizers RoHS |

Related Products

DT5742



16+1 Channel 12 bit 5 GS/s Switched Capacitor Digitizer

A1422



Low-Noise Fast-Rise-Time Charge-Sensitive Preamplifiers (Boxed)

DT5724



4/2 Input Channel 14 bit 100 MS/s Digitizer

DT5751



2/4 Input Channel 10 bit 2/1 GS/s Digitizer

DT5741



32 Ch Peak Sensing ADC

A1424



Scintillation Preamplifier

DT5720



4/2 Input Channel 12bit 250 MS/s Digitizer

DT5761



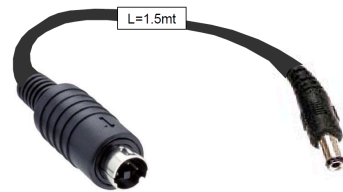
1 Input Channel 10 bit 4 GS/s Digitizer

DT5740



32 Input Channel 12 bit 62.5MS/s Digitizer

Gallery



MINI DIN 6 POLI DA CAVO

PRESA S-760 SWITCHCRAFT O SIMILI

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