CAEN Electronic Instrumentation
Tools for Discovery

DT14xxET

4 Reversible Channel Desktop HV Power Supply Family
with Ethernet & Touchscreen

Simply the best Power Supply for your laboratory

Features

- 4 independent HV channels in a fully Desktop form factor
- Channel polarity independently selectable
- SHV coaxial output connectors
- Common floating return
- Very Low Ripple
- Under/overvoltage alert, overcurrent and max. voltage protection
- 2.8” color touch screen display
- Local and Remote control (USB2.0/Ethernet)
- Interlock logic for unit enable and individual channel kill

The DT14xxET is a new CAEN Power Supply Family providing 4 independent High Voltage channels in a Desktop form factor. Each channel features an independently selectable polarity and common floating return (common return insulated from the chassis ground). High Voltage outputs are delivered through SHV connectors. DT14xxET units can be controlled either locally, thanks to a 2.8” touchscreen color LCD display with a complete user interface, or remotely, via USB or Ethernet, taking advantage of the new GECO2020 Control Software. EPICS and LabVIEW are supported.

Different versions are available spanning from 500 V to 8 kV and from 20 µA to 3 mA, meeting the needs of a wide range of applications.

Each unit is provided with Imon Zoom. This feature enhances the current monitoring, increasing the resolution of a x10 or x20 factor according to the specific model.

The HV output Ramp-Up and Ramp-Down rates can be set independently for each channel in the range 1 ÷ 500 V/s in 1 V/s steps (1 ÷ 50 V/s for DT1419ET).

Safety features include:

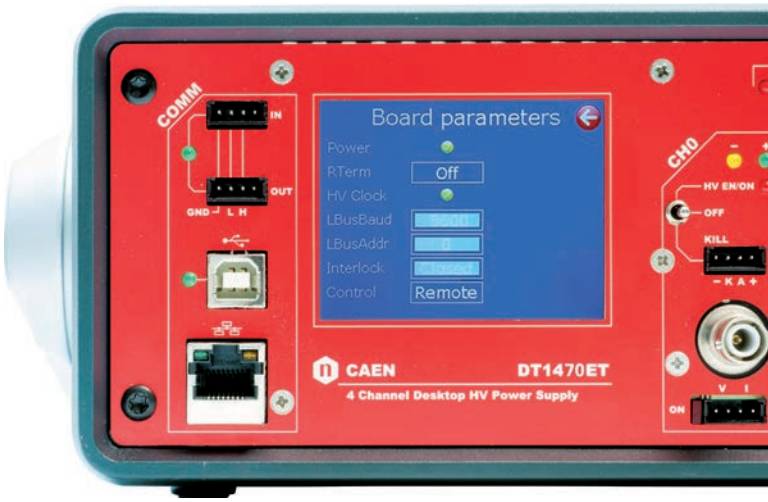
- **Overvoltage and Undervoltage warning** when the output voltage differs from the programmed value.
- **Programmable hardware VMAX protection limit**
- **Overcurrent detection**: when a channel attempts to exceed the programmed current limit, it signaled to be in "overcurrent" and enter in a TRIP status. The output voltage is varied to keep the current below the programmed limit for a programmable TRIP time, then the channel is switched off. If TRIP is set to "INFINITE", the channel behaves like a current generator.
- **Common Interlock logic** for channels enable/disable and individual input signal for channel Kill function.

Model Compare

Model	Maximum Voltage	Maximum Current	Iset/Imon Resolution	N. of Channels
DT1419ET	500 V	200 µA	5 nA (0.5 nA with Imon Zoom)	4
DT1471ET	5.5 kV	300 µA	5 nA (0.5 nA with Imon Zoom)	4
DT1471HET	5.5 kV	20 µA	1 nA (50 pA with Imon Zoom)	4
DT1470ET	8 kV	3 mA	50 nA (5nA with Imon Zoom)	4

Ordering Option

Code	Description
WDT1419ETXAA	DT1419ET - 4 Channel 500V/200uA Desktop HV Power Supply Unit with Ethernet & Touchscreen
WDT1471ETXAA	DT1471ET - 4 Channel 5.5kV/300uA Desktop HV Power Supply Unit with Ethernet & Touchscreen
WDT1471HETXA	DT1471HET - 4 Channel 5.5Kv/20 µA Desktop HV Power Supply High Accuracy Unit with Ethernet & Touchscreen
WDT1470ETXAA	DT1470ET - 4 Channel 8kV/3mA (9W max) Desktop HV Power Supply Unit with Ethernet & Touchscreen

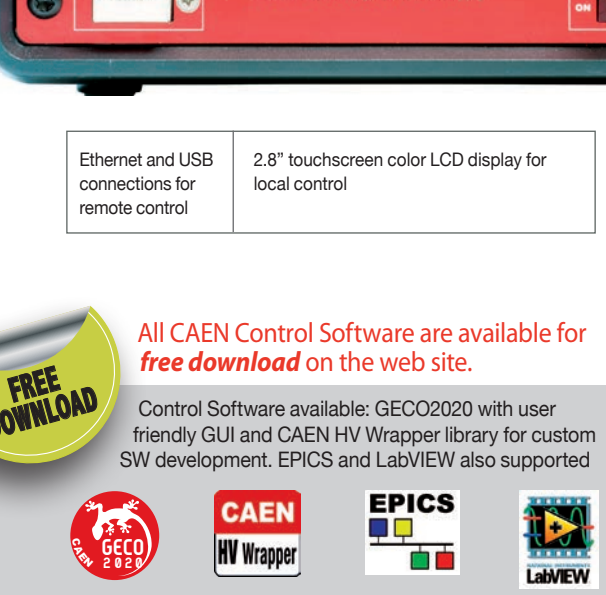


Ethernet and USB connections for remote control	2.8" touchscreen color LCD display for local control

FREE DOWNLOAD

All CAEN Control Software are available for ***free download*** on the web site.

Control Software available: GECO2020 with user friendly GUI and CAEN HV Wrapper library for custom SW development. EPICS and LabVIEW also supported



DT14xxET Family, full front view

News from Catalog web page
www.caen.it/news

35 years always at your side

Small details
Great differences

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