



## KEY FEATURES

- ◆ # Emulation of detector-like signals
- ◆ # 500 MSps 14-bit DAC
- ◆ # Analog output rise time down to 5 ns and exponential signal decay time up to 200  $\mu$ s
- ◆ # Nuclides database with more than 50 real acquired spectra
- ◆ # White noise, random walk and continuous reset preamplifier emulation
- ◆ # USB 2.0, 1 Gbit Ethernet
- ◆ # Web-based GUI
- ◆ # Standalone basic operation through the front panel display

## Introducing the New DT4810 Signal Generator Your Path to Innovation

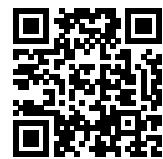
- 👉 Explore the results of our study to upgrade the DT4800 signal generator with improved performances at affordable rate!
- 🌟 The DT4810 is your entry-level gateway to the Detector Emulator range, strategically designed for compactness, ease of use, and single-channel operation.
- 🔧 Say goodbye to outdated hardware - we're upgrading with the latest Xilinx SoCs.
- 💻 No more software hassles - enjoy a web-based control interface accessible via Ethernet and USB2. No installations required!
- 🕒 Improved performance - now generating signals at up to 500 MSps for high-quality outputs with reduced harmonic content.
- =
- ⚡ Improved output signal quality
- ⚡ SiPM detector emulation
- ⚡ User-friendly web interface for control and visualization
- ⚡ JupyterLab support for Python scripting ★ Coming Soon

Upgrade your lab equipment with the power of innovation. Don't miss out - stay ahead with the new DT4810 Signal Generator.



**Ordering Option**

Ordering code	Description
WDT4810XAAAA	DT4810 – 1 Channel Micro Digital Detector Emulator

<https://www.caen.it/products/dt4810/>**CAEN S.p.A.**

Via Vetraia 11  
55049 - Viareggio  
Italy  
Phone +39 0584 388 398  
Fax +39 0584 388 959  
info@caen.it  
[www.caen.it](http://www.caen.it)

**CAEN GmbH**

Brunnenweg 9  
64331 Weiterstadt  
Germany  
Tel. +49 (0)212 254 4077  
Mobile +49 (0)151 16 548 484  
info@caen-de.com  
[www.caen-de.com](http://www.caen-de.com)

**CAEN Technologies, Inc.**

1 Edgewater Street - Suite 101  
Staten Island, NY 10305  
USA  
Phone: +1 (718) 981-0401  
Fax: +1 (718) 556-9185  
info@caentechnologies.com  
[www.caentechnologies.com](http://www.caentechnologies.com)

**CAENspa INDIA** Private Limited

B205, BLDG42, B Wing,  
Azad Nagar Sangam CHS,  
Mhada Layout, Azad Nagar, Andheri (W)  
Mumbai, Mumbai City,  
Maharashtra, India, 400053  
info@caen-india.in  
[www.caen-india.in](http://www.caen-india.in)

