

THANOS

DAQ SOFTWARE INTERFACE

Description

Thanos is the advanced data acquisition software provided by CAEN to fully manage and operate the NBrick neutron detection system. It is a powerful and intuitive interface that allows users to remotely configure and control the digitizer and high-voltage power supply via Ethernet, ensuring full monitoring capabilities through a real-time overview of the system status.

Thanos provides a wide range of data acquisition tools, including real-time waveform visualization, energy spectrum analysis, Time-of-Flight (ToF) histograms, and accurate position reconstruction. It also features oscilloscope functionalities, along with advanced calibration options and fitting tools for detailed signal evaluation.

Users can define runs, and manage data and plots storage in multiple formats for further offline analysis.

Designed for flexibility and ease of use, Thanos enhances the overall functionality of the NBrick system, enabling fast setup and high-precision operation. Whether used in research or industrial settings, Thanos ensures seamless integration and superior performance for any neutron detection task.

In collaboration with Nuclear Instruments.

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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

CAEN GmbH

Brunnenweg 9
64331 Weiterstadt, Germany

Phone +49 (0)212.254.4077

Mobile +49 (0)151.16.548.484

info@caen-de.com

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

CAENspa India Private Limited

B205, BLDG42, B Wing,
Azad Nagar Sangam CHS,
Mhada Layout, Azad Nagar, Andheri West
Mumbai, Maharashtra 400053, India

info@caen-india.in

www.caen-india.in

