

PR022016

09th March 2016

Software, Measurement technology

Page 1 of 2

Integrated charting tool for the simple graphical display of signal curves

TwinCAT 3 Scope – multi-core oscilloscope for "big data"

With TwinCAT Scope, measuring applications are as simple as could be, even for "big data" applications: support for multi-core processing also enables the acquisition and display of very large quantities of data. The software oscilloscope is fully integrated within the TwinCAT control architecture and enables the simple graphical display of signal curves using the charting tool.

The acquisition and analysis of data on machines is becoming more and more important, especially against the backdrop of Industrie 4.0 and "big data" applications. For this purpose, all process data must be clearly and graphically displayed and analysed across the entire lifecycle of the machine in the correct chronological order and with highest possible performance. Using TwinCAT 3 Scope, curves can be displayed with a resolution up to the microsecond range.

TwinCAT Scope's multi-core capability also makes it suitable for large recordings with several hundred variables. Through seamless integration into Microsoft Visual Studio® and thus into the TwinCAT engineering environment it is very user-friendly. Machine developers have a charting tool at their disposal that considerably simplifies the engineering process during application development as well as process monitoring. In combination with the new TwinCAT Analytics and TwinCAT IoT software modules, the acquired process data can be analysed either locally or in a private or public cloud. Regardless of location, users can choose among signal representation in XT and XY plots or using the new bar charts with TwinCAT Scope.

Beckhoff Automation GmbH & Co. KG

Huelshorstweg 20
33415 Verl, Germany
Phone: +49 (0) 5246 963-0
Fax: +49 (0) 5246 963-198
E-Mail: info@beckhoff.com
www.beckhoff.com

Press contact

Martina Fallmann
Silke Franke
Phone: +49 (0) 5246 963-140
Fax: +49 (0) 5246 963-199
E-Mail: press@beckhoff.com
www.beckhoff.com/press

PR022016

09th March 2016

Software, Measurement technology

Page 2 of 2

Properties:

- high performance through multi-core support
- simple, intuitive engineering
- seamless integration into Visual Studio®
- high sampling rate up to the μ s range
- trigger-controlled recordings
- analysis possible at runtime
- export into various data formats
- source-control support

➔ www.beckhoff.com/TwinCAT-3-Scope

Press picture:



Picture caption:

TwinCAT 3 Scope can use several processor cores for displaying acquired signals. For each chart, the core whose processing power is to be used for signal display can be individually defined.

Text and picture:

www.beckhoff.com/press/pr022016

Beckhoff Automation GmbH & Co. KG

Huelshorstweg 20
33415 Verl, Germany
Phone: +49 (0) 5246 963-0
Fax: +49 (0) 5246 963-198
E-Mail: info@beckhoff.com
www.beckhoff.com

Press contact

Martina Fallmann
Silke Franke
Phone: +49 (0) 5246 963-140
Fax: +49 (0) 5246 963-199
E-Mail: press@beckhoff.com
www.beckhoff.com/press