



TEMOS App overview list **Subject to change without notice!!!!**
 14.10.2020

App Name	Desc	Included	add-on Package
Block statistic	This App calculates statistic values from time based data blocks.	YES	Base
Calibrate	This App calibrates channels after input reference signals, such as RMS value (for a microphone to 94 dB or 114 dB) or	YES	Base
Channel selector	Use this App to assign channels to other Apps by drag and drop.	YES	Base
Channel setup table	Use this App to edit the channel list conveniently in a table.	YES	Base
FFT	This App displays the FFT spectrum of selected channels.	YES	Base
Log	This App is a log book. It saves annotations to a log file in txt format.	YES	Base
Metadata	This App allows the entry of meta data in a customizable form (customization does not require programming)	YES	Base
Reload	This App reloads data files in TDMS format for review and replay. For easy comparison it can load multiple files	YES	Base
Statistic	This App displays statistical values of selected channels in a table.	YES	Base
TEMOS Info	This App provides information about TEMOS, internal variables such as the channel list and the used hardware.	YES	Base
Write data plugin file	This App writes selected channels to a range of file format, using the NI DataPlugins.	YES	Base
Write TDMS file	This App writes measurement values to a data file in TDMS file format. The file can be opened for review only after the	YES	Base
Zero	This App sets selected channels to Zero by adjusting the scaling.	YES	Base
Bar graph	This App displays a list of channels in a bar graph side by side	YES	Base Indicators
Bar horizontal	This App displays multiple channels as horizontal bars. Some properties of the cells are in common, such as scaling.	YES	Base Indicators
Bar vertical	This App displays multiple channels as vertical bars. Some properties of the cells are in common, such as scaling.	YES	Base Indicators
Boolean	This App displays the measurement value boolean. The threshold can be configured.	YES	Base Indicators
Chart, buffered	This App displays the measurement values in a strip chart. It is compatible with all channel types.	YES	Base Indicators
Chart, simple	This App displays the measurement values in a strip chart. It is compatible with all channel types.	YES	Base Indicators
Chart, stacked	This App displays the measurement values in stacked strip charts. It is compatible with all channel types.	YES	Base Indicators

Colorbox	This App displays the measurement value as color on a color or B&W scale.	YES	Base Indicators
Gauge	This App displays multiple gauges . Some properties of the cells are in common, such as scaling.	YES	Base Indicators
List	This App displays selected channels in a list dump.	YES	Base Indicators
Meter	This App displays multiple channels in meters. Some properties of the cells are in common, such as scaling.	YES	Base Indicators
Numeric	This App displays multiple channels as numeric values. The cells can be randomly assigned to channels and individually	YES	Base Indicators
Overload	This App retains the max and min values and reports an over/underflow.	YES	Base Indicators
Ref chart	This App displays channels in a strip chart recorder along with reference charts.	YES	Base Indicators
Rotated picture	This App displays the measurement value as angle of a rotated picture.	YES	Base Indicators
Scope	This client displays the waveforms of signals in an oscilloscope.	YES	Base Indicators
Scope untriggered	This App displays the straight original waveforms in an oscilloscope without any trigger or buffer	YES	Base Indicators
XY Chart	This App displays multiple channels as XY Chart.	YES	Base Indicators
XY Scope	This App displays multiple channels as XY scope.	YES	Base Indicators
Demo Signals	This App produces demo signals with an integrated function generator.	Option	Demo
Sound input	This App provides two measurement channel from the soundcard.	Option	Demo
Image	This App displays a still image file. Once the image file is loaded it is not needed any more.	Option	Design
Text Comment	Use this App to add text annotations to the screen.	Option	Design
Template_blank	This is a prototyping App without any data transfer. Enter your own LabVIEW code here.	Option	Development
Template_gapfree	C:\Source\TEMOS\APPS\Example 2 buffered data.vi	Option	Development
Tempate_instant	C:\Source\TEMOS\APPS\Example 3 unbuffered data.vi	Option	Development
Tempate_Sync channels	This is a protoptyping App that demonstrates how channels can be created and made available to other Apps. Inputs:	Option	Development
Tempate_Async channels	This is a protoptyping App that demonstrates how channels can be created and made available to other Apps. Inputs:	Option	Development
Tempate_Sync to Sync channels	This is a protoptyping App that demonstrates how channels can be created and made available to other Apps. Inputs: one	Option	Development
Tempate_Sync to Async channels	This is a protoptyping App that demonstrates how channels can be created and made available to other Apps. Inputs: one	Option	Development
Tempate_slider	This is a protoptyping client that demonstrates how channels can be created and made available to other Apps. Inputs:	Option	Development
Tempate_Subpanel	This is a prototyping App that executes any existing vi in a subpanel.	Option	Development

Bridge balancing	This App performs the bridge balancing for Wheatstone bridge inputs. DEWETRON TRION-2402-dSTG-xxxDEWETRON	Option	DEWETRON
Bridge tools	This App performs Bridge Short and Bridge Shunt on DEWETRON DAQP-STG and HSI-STG modules.	Option	DEWETRON
DAQP setup	This is a configuration tool for DEWETRON DAQP and HSI Modules.	Option	DEWETRON
EPAD2-AO4	This App controls the DEWETRON EPAD-AO4 analogue output module.	Option	DEWETRON
Framework Info	This App provides information about internal variables such as the channel list, DAQP scaling factors and TRION module	Option	DEWETRON
Orion DO	This App sets digital outputs of DEWETRON Orion cards on button click (manually)	Option	DEWETRON
PAD-DO7	This App controls the DEWETRON PAD-DO7 digital output module.	Option	DEWETRON
PAD-DO7 Alarm	This App sets an alarm on the DEWETRON PAD-DO7 digital output module.	Option	DEWETRON
Trigger, Orion	This App sets digital outputs of DEWETRON Orion cards on a trigger level (automatically)	Option	DEWETRON
TRION API	This App allows direct communication with the DEWETRON TRION modules. Use with care!!!	Option	DEWETRON
TRION autorange	This App sets the optimal input range for DEWETRON TRION AI channels	Option	DEWETRON
TRION DO	This App sets the digital output lines of DEWETRON TRION modules.	Option	DEWETRON
TRION Self test	This App performs a self test on the DEWETRON TRION modules	Option	DEWETRON
TRION Trigger	This App creates an output pulse on a digital output of DEWETRON TRION module upon a trigger condition.	Option	DEWETRON
TRION UART terminal	This App is a tool for manual serial communication (write and read) on DEWETRON TRION Modules with UART Interface	Option	DEWETRON
Cross spectrum	This App calculates the Cross Power Spectrum between two channels.	Option	DSA
FRF	This App computes the magnitude, phase, and coherence of the frequency response of the device under test [DUT].	Option	DSA
Nyquist plot	This App calculates the Nyquist plot between two channels	Option	DSA
PSD	This App computes the power spectrum of scaled signal [EU]. Use the power spectrum to quantify signal components as a	Option	DSA
Sine swept Measurement	This App tracks the frequency of a reference signal and applies a narrow band filter on selected channels	Option	DSA
Single Tone Measurement	Demonstrates the measurement of the frequency and amplitude of the input signal. Narrow the search to a	Option	DSA
SRS	This App computes the peak levels for each single-degree-of-freedom (SDOF) component to form the shock response	Option	DSA
STFT	This App computes the signal energy distribution in the joint time-frequency domain, using the short-time Fourier	Option	DSA
THD	This App calculates the total harmonic distortion (THD) of channels.	Option	DSA
Excel	This App transfers records measurement values directly into MS Excel	Option	Excel

Function generator	This App is a function generator for the following modules: DEWETRON TRION-1628-AO-2DEWETRON TRION-1628-AO-	Option	Function generat
Fastcam	This App is to configure, control and get data from a Photron High speed camera	Option	HS Video
Translator	This App is a tool to create and translate language files.	Option	Language
Derivation	This App calculates the mathematical derivation of channels.	Option	Math
Dig filter	This App applies an IIR or FIR filter to synchronous channels.	Option	Math
Formula	This App calculates math channels.	Option	Math
Integration	This App calculates the mathematical Integration of channels.	Option	Math
Resampling	This App returns copies of selected channels with random sample rate.	Option	Math
Tacho	This App calculates high resolution RPM from a counter input.	Option	Math
Temp gradient	This App calculates the long term gradient of temperature channels	Option	Math
Modbus serial Master	This APP is a MODBUS Master on the serial interface. It can transmit and receive multiple register and coil channels.	Option	Modbus
Modbus serial Slave	This APP is a MODBUS Slave on the serial interface. It can transmit and receive multiple register and coil channels.	Option	Modbus
Modbus TCPIP Master	This APP is a MODBUS Master on the TCIP/IP interface. It can transmit and receive multiple register digital channels.	Option	Modbus
Modbus TCPIP Slave	This APP is a MODBUS Slave on the TCP/IP interface. It can transmit and receive multiple register and digital channels.	Option	Modbus
TCPIP multicast receiver	This client receives a data stream that is sent from a TCPIP sender client. The received channels will be available as	Option	Network
TCPIP multicast sender	This client sends selected channels to a TCP/IP port of the localhost. They then can be received by the TCPIP receiver	Option	Network
Power	This App calculates the Power paramters and RMS values of an electrical Power system based on blocks of number of	Option	Power
Power, broadband	This App calculates the Power parameters and RMS values of an electrical Power system.	Option	Power
Power, harmonics	This App performs the harmonic analysis of an electrical power system. It calculates the values for each phase and	Option	Power
Vector Scope	This App displays up to 3 voltages and currents in a vector diagram. The lengths of the vectors are in relation to the	Option	Power
Remote control	Use this App to control remote instruments.	Option	Remote
Remote control helper	This App helps to identify possible targets and GUI elements that can be controlled with LAN commands.	Option	Remote
WOL	This App sends the WOL (wake on LAN) command to specified computers.	Option	Remote
SENT		Option	SENT
Octave	This App calculates and displays the octave analysis in accordance with the IEC 61260 standard	Option	Sound

Sound level meter	This App calculates the sound level parameters of selected channels. Results will be available as channels in other Apps.	Option	Sound
Sound Power	This App calculates the total sound power level and the sound power levels per octave band.	Option	Sound
Speaker output	This vi outputs a selected channel on the speaker.	Option	Sound
Write wav file	This App writes up to 2 channels to a sound file in wav file format. The file can be replayed by any media player.	Option	Sound
Clock	This App displays timing information such as elapsed time, PC time, current measurement value's timestamp or number of	Option	Time
Countdown	This App causes a user interface event on the core program or any App upon the end of a countdown	Option	Time
NTP	This App reads and displays the current time from an NTP (Network Time Protocol) server. It also can set the PC time	Option	Time
Admin	This App manages user accounts and allows users to log on and off.	Option	Tools
App Manager	This App is a management tool for all running Apps.	Option	Tools
Control panel	This App provides extra Start - Stop - Quit Buttons and allows the system and shut down or reboot.	Option	Tools
CPU Load	This App displays a chart of the load of the CPU cores.	Option	Tools
Data plugin file viewer	This App reloads any data file that is compatible with an existing data plugin.	Option	Tools
Email	This App sends an email at a trigger condition.	Option	Tools
Explorer	This App is a mini file or web browser.	Option	Tools
Message	This App produces a message pop up window.	Option	Tools
Schemes	This App saves and reloads distinct App configurations. It can switch through them like a slideshow.	Option	Tools
Setup viewer	Use this App to view the content of setup files.	Option	Tools
Soft trigger	This App causes a user interface event on the core or any App upon a trigger condition that will be derived from any	Option	Tools
Storage capacity	This App returns the free capacity on storage media as channel value.	Option	Tools
TDMS viewer	This client reviews a single TDMS data file	Option	Tools
Serial Terminal	This App is a tool for manual serial communication (write and read) on a PC COM Port.	Option	Tools
Video	This App displays the image of a video and records it to an AVI file.	Option	Video
Video playback	This App replays a video file. The current position can be synchronized with other clients such as additional Video	Option	Video