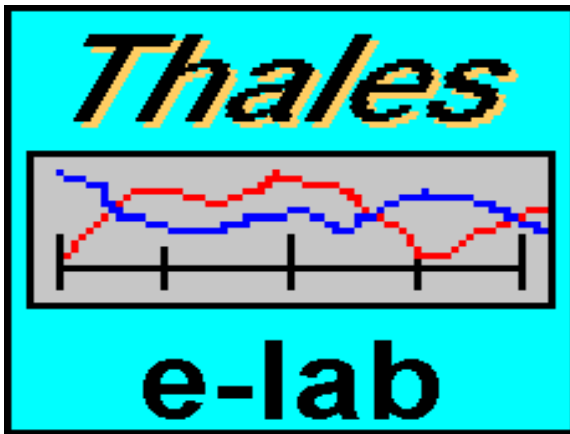




Thales32

by E-LAB Computers

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Thales32 Technical Components for Delphi®

Thales32 is a Visual-Component-Library (VCL) for Borland Delphi® and C++
Real Delphi-VCL and C++ CCL, no VBX's, no DLL's, no Run-Time fees.
Without Source Code.

Thales32 offers to software developer in the technical, industrial and scientific field
a powerful and complete resource to build applications for data recording and
analysis. Also many components for machine control and monitoring are included.

Thales32 contains in the **Basis-Version** more than **50 Components**.

There are diverse buttons, keys, slideswitches, rotate and slide selectors,
rotate and slide potentiometers with linear and logarithmic scaling, spin elements
for text, nums and bitmaps, numeric displays, analogue instruments in multiple
designs (linear/logarithmic, round/panel), serial and joystick interface management,
8-way-spin (graphical mouse), mouse operated keyboard, 10turn pots, timers etc.

Thales32 contains in the **Profi-Version** additional **9 powerful Components**. These
are: a complete 32 channel logic-analyzer or digital display, a HPGL-Interpreter
with print function, an y/t-graph-recorder with lin/log y-axis, a 4channel x/y-graph-
recorder with lin/log x-y axes, a 16channel x/y-graph recorder with a separate
coordinate system for each channel, a complete oscilloscope and more.

Thales32 represents in the present design !only! a so called **Back-End** for the above
application, eg the components are the interface between the data-sampling part
(hardware) at one hand and the user/operator on the other hand. The only „signal
conditioning“ in some components is the property „damp“, which is a signal-
damping and integration.

Thales32 is available for Delphi1, Delphi2, Delphi3 and C++Builder.

Thales Greek philosopher and mathematician 625-547 BC (Thales theorem / Thales circle)



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Basis Version



Bevel3D Basis-element, suitable for background, also transparent, usable as a button with push or push-pull action, or a bevel with textfunctions.



BackGround for forms and similar components. Selectable start and end colors, color step and direction. (Gradient Fill).



MultiBmp Graphical element usable as a screen for Multi-BitMaps. Build-in check-box and radio button functions. Player for picture sequences. Also an animated button.



RotLabel In 1°-steps rotateable textline with any fonts, colors and fontsizes. Attributes: shadowed, lowered, raised and normal.



LedButton Circular or rectangle led with functions as on, off or blinking, can be used as a button with push or push-pull action and caption.



SlideButton Rockerswitch with any color or text caption.



PictButton lighted picture field, usable as a button. With either 1, 2 or 3 textlines or one bitmap. Also blinking.



LedCheck Button, a substitute for CheckBox and RadioButton. Led color, size and layout and also textposition adjustable.



TextSpin Spinelement with arbitrary texts, nums (longint, float) and color selects. Selectable limiter and repeat rates.



CombiSpin Spinelement with arbitrary amount of texts, bitmaps, longints and floats



SerieSpin Horizontal add spinelement with any texts, nums, floats and colors. Functions similar to TextSpin.



Joystick Graphical joystick with 8 directions, mouse operated, with push, push-pull and repeat functions. Selectable repeatrate.



UpDown Double button, suited to the joystick, with push, push-pull and repeat functions. Selectable repeatrate



LeftRight Like UpDown, but horizontal orientation.



SelectSlide Selector with up to 20 positions. Each position with ist own text, longint, float and color values.



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Slider Potentiometer or selector with/without notch, any min/max value. Vertical and horizontal. Layout selectable in a wide range: colors, bevels, button.



Selector270 Selector with up to 20 positions. Each position with its own text, longint, float and color values.



PotiSlide Potentiometer with float start- and endvalues, also scala partitions. With captions. Selectable lin/log function.



Poti270 Potentiometer with float start- and endvalues, also scala partitions. With captions.



AlphaBar Substitute for a keyboard in keyboardless systems. Also usable as a selector for special characters.



FiFo Text input/output field with fifo function. While the application writes chars to the component, the text is shifted from right to left without any overflow. Writing from the keyboard starts at right side and also shifts to the left. The buffersize is 255 chars.



NumEdit Numeric Input/Output field. Usable as a digital instrument, data display and numeric input, where the keyboard input is checked against a min and a max property. On exceeding these values an user warning appears. Adjustable precision and decimals. Input selectable as text, int and float values.



Spin7Seg Thumb wheel spin with 7-segment display. Display selectable from sign, hex, dec, and alphanum mode. Limiter and adjustable repeatspeed.



Disp7Seg 7-segment display with 1 to 8 digits. Alphanum. input. 2 switchable leds with flash function.



MagicEye Special bargraph with adjustable start and end values. Usable for example for a simple spectrum meter display. Hor. and vertical.



GaugeGp Universal BarGraph. Accepts values in percent and floats. Bar and meter mode. Hor. and vertical. Layout selectable in a wide range.



AlarmClock with alarm function. Switchable digital time and date display.



Compass with 360deg scala and 4-digit display. Course and deviation



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MeterPanelH Panel meter with selectable lin/log scala. Adjustable damp 0..10. Over/under-range indication by flashing of the corresp. endvalues. Free labelling. Switchable leds. Selectable colors. Adjustable scaling. Drag pointer and over/underrange event.



MeterPanelV Panel meter with selectable lin/log scala. Adjustable damp 0..10. Over/under-range indication by flashing of the corresp. Endvalues. Free labelling. Switchable leds. Selectable colors. Adjustable scaling. Style selectable from: simpleMeter, BarGraph or LedBar. Additional switchable digital 4digit-display. Drag pointer and over/underrange event.



Meter120 Instrument with 120deg. lin/log scala. Adjustable damp 0..10. Over/under-range indication by flashing of the corresp. endvalues. Free labelling. Switchable leds. Selectable colors. Adjustable scaling. Additional switchable digital 4digit-display. Can be rotated in 90deg steps. Drag pointer and over/underrange event.



Meter180 Instrument with 180deg. lin/log scala. Adjustable damp 0..10. Over/under-range indication by flashing of the corresp. endvalues. Free labelling. Switchable leds. Selectable colors. Adjustable scaling. Additional switchable digital 4digit-display. Can be rotated in 90deg steps. Drag pointer and over/underrange event.



Meter270 Instrument with 180deg. lin/log scala. Adjustable damp 0..10. Over/under-range indication by flashing of the corresp. endvalues. Free labelling. Switchable leds. Selectable colors. Adjustable scaling. Additional switchable digital 4digit-display. Drag pointer and over/underrange event.



Stroke Vectorized character set. Usable in two ways. 1. Can be used with all canvas objects. 2. Use it as a textbevel. Rotate chars and strings in any way. Scaleable in both dimensions, bold, align, mirror and italic attributes.



RollBar Small rollup/rolldown panel. Systemmenu and buttons, size, color and rollspeed adjustable. Based on TPanel.



PickBox Same as the Delphi-ListBox, but each list item has an additional info button which can be labelled.



ComPort Dialog to select a Comport. Supports the fundamental part of initialization, status handling, transmit and receive of chars and strings of the serial interface. Switchable dialog for each available comport.



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GamePort Non-visual component for complete managing of up to 2 GamePorts. Supports calibrating and integrating of incoming joystick data.



PlaySnd Non-visual component for speech output from wave-files in conj. with a SoundBlaster etc. Use it for programcontrolled output of reports and warnings.



IniEdit Non-visual component to deal with the windows INI-Files. Supports the programmer at creating, reading, writing and update of the application specific ini-file.



SmartTime Non-visual timer component. Uses only one of the few windows-timer, but offers a practical unlimited count of timer channels. Attributes are: Iterate, Blink and FreeRun.



PrecTime Non-visual timer component. Uses a special and precise windows-timer. Selectable resolution : 1msec. Minimal tick 1msec.



RollForm Non-visual component. Changes each regular form to a rollup/rolldown form. Rollspeed and system menu size adjustable.



FormSize Non-visual component. Adjustable size limitation for forms. Min and max values for both dimensions independent selectable.



DoubleInst Non-visual component. Prevents the application from multiple runs. Very important for realtime apps. Place it on the MainForm.



SysInfo Non-visual component. Informs the user or application about resources, drives, CPU, interrupts, memory, DOS, Windows etc.



DataStrings Non-visual component. Small database. Store, search and find data by name. Loadfromfile and storetofile.



ExecExe Non-visual component. Comfortable start and run of an Exe- or Com file within the application, additional wait for exit function.



Iconize Non-visual component. Starts the application as an icon in the taskbar or complete invisible.



Stack Non-visual component. Used as a softwarestack for most data types. Useful when complex recursions are necessary.



Spy Joy-component. The eyes always follow the mouse.



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VerInfo Non-visual component. Needed to register, edit and include of the VersionInfo (Copyright, Versionsnumber, Company etc.) into the exe-file. Enthält weiterhin einen Dialog, der diese Daten zur Laufzeit anzeigen kann.



CtrlTimer Zeitschaltuhr zum steuern von maschinellen Abläufen, wie z.B. Brenn - Öfen, Füllvorgängen, Dosierungen usw. Fast beliebig konfigurierbar: hhmmss, hhmm, mmss, hh, mm, ss. Vier Schaltpunkte (Events), drei davon mit frei wählbarer Zeit, einer nach Ablauf auf 0. Alle Parameter vom Anwender einstellbar.



Meter360 Panel Meter mit 360grad Skala. Zwei unabhängige Skalen und Zeiger. Separat einstellbare Dämpfung/Integration von 0..10. Frei beschriftbar. Vier abschaltbare Leds. Alle Kolorierungen frei wählbar. Einstellbare Skalenteilung. Schleppzeiger. Linear/Logarithmisch separat wählbar.



Poti10T Dreh-Poti mit frei wählbaren Anfangs- und Endwerten, sowie Skalenteilung. Frei beschriftbar. Äusserer Knopf mit 270grad Weg, innerer mit 10 Gängen bzw. 3600Grad. Digitale Anzeige des eingestellten Werts. Preset Knopf.

Hint **Property-Editor** Implementiert mehrzeilige Hints. Eigener Dialog.

BitMap **Property-Editor** Komfortabler BitMap/Picture Loader (Editor) mit History etc.

Zukünftige Komponenten

Stoppuhr, Setup-Editor und andere.



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Profi-Version



RecCtrl Komponente zur Steuerung der Aufnahme und Wiedergabe der graph. Komponenten wie z.B. xyGraph oder ytGraph.



Logic Umfangreiche und leistungsfähige Komponente zum Darstellen und Untersuchen bzw. Analysieren von digitalen Daten. Einstellbar von einer einfachen graphischen binär-Anzeige bis zum Logic-Analyzer. Buffer für 16000 32bit-Worte. Patternsuche.



Plotter HPGL-Interpreter mit komfortablen Druckmöglichkeiten. Kann die wesentlichen HPGL-Plotterbefehle graphisch auf dem Bildschirm oder jedem Windows-tauglichen Drucker ausgeben. Einstellbare Blattformate, Stiftstärken und Farben. Keine Beschränkung in der Dateigrösse.



DrawWin Skalierbares Reissbrett mit bis zu 10 eigenständigen Koordinaten-Systemen im Float(double) Format. Sämtliche Graphikfunktionen integriert.



Oscillo Komponente mit allen Funktionen eines SpeicherOszilloskops. 4 Kanäle, Zoomfunktion, Speichern, Laden und Drucken der Daten. Sehr leistungsfähig und komfortabel. Einstellbar von einfacher Kurven-Ausgabe bis zum kompletten Oszillographen.



xyGraph Komponente zur graphischen Darstellung von bis zu 4 Messreihen mit jeweils bis zu 8000 xy-Koordinaten in einem frei wählbaren Koordinatensystem. Die x und y-Achsen sind unabhängig voneinander Linear oder Logarithmisch einstellbar. Alle Parameter über Properties zugänglich. Eingebaute Datei-Operationen (Laden, Speichern, BitMap). Mehrere Printer/Hardcopy Funktionen. Zoom und Messfunktionen.



xyGraphN Komponente zur graphischen Darstellung von bis zu 16 Messreihen mit jeweils bis zu 8000 xy-Koordinaten. Jeder Kanal hat sein eigenes frei wählbares Koordinatensystem. Die x und y-Achsen sind unabhängig voneinander Linear oder Logarithmisch einstellbar. Alle Parameter über Properties zugänglich. Eingebaute Datei-Operationen (Laden, Speichern, BitMap). Mehrere Printer/Hardcopy Funktionen. Zoom und Messfunktionen.



ytGraph Fortlaufende graphische Darstellung ankommender Daten/Messwerte. Bis zu einer gewissen Geschwindigkeit echtzeitfähig. Auch abspielen von gespeicherten Daten. Zoom, Print und Messfunktionen. 4 Kanäle. Y-Achse lin/log. Eingebaute Datei-Operationen (Laden, Speichern, BitMap).



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ChartBar Bargraph Element zum graphischen Darstellen von Daten wie bei Spread-Sheets. Umrandung, Farben und Transparenz einstellbar.



ChartBase Basiselement zum plazieren und steuern der ChartBars.



CurvSynth Stellt Kurven aus bis 40 Punkten durch Interpolation dar.
Lineare, Bezier und Spline Interpolation.

Weitere Komponenten in Vorbereitung

z.B. 16-Kanal yt-Graph

Service Ein kostenloses Update innerhalb der ersten 6 Monate
Weitere Updates nach Ablauf der 6 Monate auf Nachfrage mit 20% des dann gültigen Abgabepreises

Preise

Thales Bibliothek	Delphi1..4	Profi-Paket	DM 750.-- +Mwst
Thales Bibliothek	C++Builder	Profi-Paket	DM 750.-- +Mwst
Thales Bibliothek	Upgrade	Profi-Paket	DM 250.-- +Mwst

