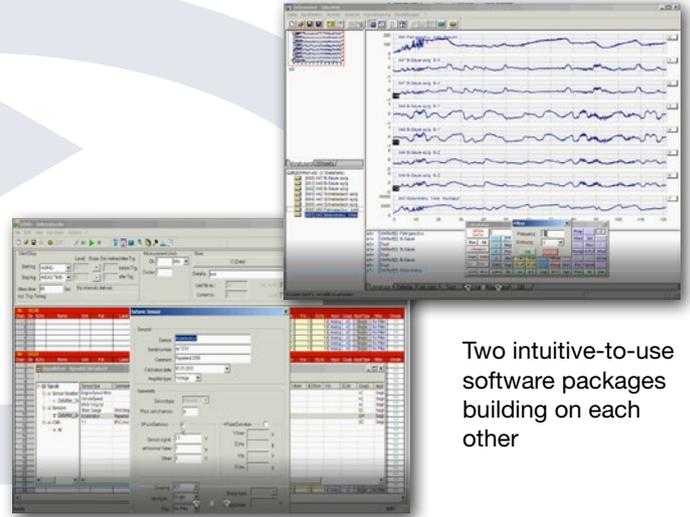


The Data Recording Power Package

Get the most out of our new data recorder with pro software



LX-1000 – TEAC's new multipurpose tool for signal conditioning and recording supports up to 256 channels



Two intuitive-to-use software packages building on each other

Software Module T-RecX-Basic

Includes customized TEAC Editions of the proven software tools EdWin and EWinView from MH:

- ▶ **T-RecX** with database for sensors and sensor locations is the heart of the recording engine
- ▶ Full-featured PC version of **RTA-VU2** allows realtime data display with various preconfigured or programmable diagrams
- ▶ Data output format is edt

Software Module T-Mat

Customized TEAC Edition of EdasWin from MH:

- ▶ **T-Mat** is an offline data analysis application. The central tool is a powerful scientific calculator
- ▶ Implemented graphical content management for unlimited numbers of analyzes
- ▶ Implemented layout editor supporting report/document creation, administration and printing
- ▶ Import and export in a variety of file formats

What you get from the complete T-RecX-Plus bundle:

Combining the TEAC LX-1000 data recorder with professional software tools built by the renowned German manufacturer MH and optimized by TEAC enables you to capture, prepare and provide all required data for process or product verification and validation applications with high efficiency and affordable effort. T-RecX-Plus combines T-RecX-Basic and T-Mat in one bundle.

Our software service promise includes:

- ▶ Global software support with remote tools when required
- ▶ Bug fixing with quick response time
- ▶ Optional customization by adding filters or algorithms (additional fees may apply depending on development effort)
- ▶ Software trainings can be offered
- ▶ Software maintenance: 10% of the package price per anno

Bundle Price

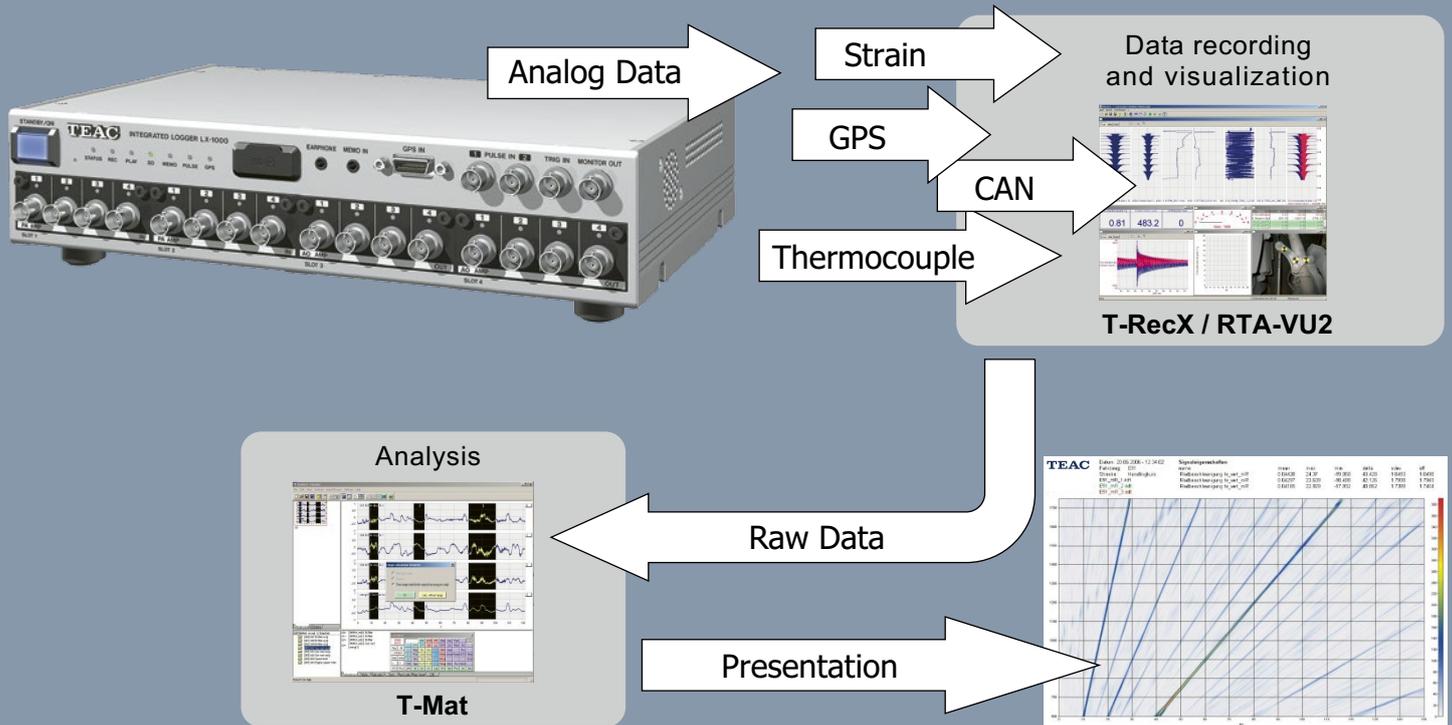
**LX-1000 (16 ch)
T-RecX-Plus**

Call Us!

+49 611 7158 651

All specifications are subject to change without further notice.

LX-1000 with T-RecX / RTA-VU2 / T-Mat



Analysis and functions in T-Mat

Analysis

- Unlimited number of signals can be displayed in each plot, unlimited number of plots can be created
- 100 million values displayed per second on a standard PC
- Cursor function with peak detection
- X-Y zoom with selectable boundaries
- Cascade display, Campbell display, Spectrogram
- Play back sound files

GPS functions

- Course representation on the basis of measured GPS data
- Interpolation, Conversions in length

Calculation functions

- Complete mathematics
- Differential and Integral, Calculus
- Absolute value
- Positive and negative signal isolation
- High- and low-pass digital filters with selectable order and corner frequency
- FIR filter with programmable filter function, no phase angle
- CFC60, CFC180, CFC600, CFC1000 filters

- Cycle duration, Counter
 - Conversion between Cartesian & Polar Coordinates
 - Boolean Algebra
 - Floating average: mean, max and min
 - A, B, C weighting filter
 - Polynomic calculation
 - Linearization
- ### Signal editing
- Graphical drift correction, Line & Offset correction
 - Automatic spike detection and suppression
 - Signal recalculation with selectable clock rate, signal shift along time axis
 - Curve shape editor, statistical analysis
 - Time at Level, Level crossing, Rain Flow
 - Range Pair, Rotational analysis, Damage

Video functions

- Time-synchronously presentation of up to four video streams
- Video cut inclusive related analog data
- Object tracking with report of coordinates
- Export Video and analog data into .wmv file

Signal analysis

- Power Spectral Density (PSD)
- Cross Spectral Density (CSD)
- Coherence, Order analysis, Third/Octave analysis, Transfer function
- Y sampling across any selectable signal

- X -Y Plot
- Regression
- Cross correlation
- Dynamic signal movement from cross correlation

Other functions

- Plausibility check from measured data records
- Batch analysis
- Macro function for recurrent calculation specification
- Layout editor for report generation:
- Create standard templates for printing plots
- Commentary editor for enter and display from text information.
- Voluminously layout creation with any pages

Data Import

- Import from different data formats with direct reader functionality
- ASCII, Binary, B&S, μ Musics, Diadago, DIADEM, E.d.a.s., MAUSY, RPC3/RSP, TurboLab, MDF, DCF, UFF58, Ist/Rigsys, Chapter10, MDF 4.1

Data export to multiple formats

- ASCII, Binary, Diadago
- E.d.a.s.Win, E.d.a.s., MatLab
- RPC3/RSP, TurboLab, UFF58
- Free MATLAB® reader for direct reading data file from MATLAB without conversion

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