

Digital Oscilloscopes

LT37X, LT26X

LEADING FEATURES

- · 2 and 4 Channel Models
- 500 MHz and 350 MHz Bandwidths
- Up to 4 GS/s Single-Shot Sampling Rate
- 50 GS/s Repetitive Sample Rate
- Better than 10 ppm Timebase Accuracy with 5 ps resolution
- Up to 8 Mpt Waveforms
- 8.4"TFT LCD Color Display
- SMART Triggers include Slew Rate and Runt to 2.5ns (optional)
- Analog Persistence[™] with History view
- QuickZoom automatically magnifies signal views
- Wavepilot™ provides Quick Access to Analysis Views of Measurements such as, FFTs, Histograms, and TrackViews
- Averaging and Enhanced Resolution up to 11 bits
- Deskew and Rescale
- GPIB, RS-232-C, VGA and Centronics Ports (Standard); Ethernet (Optional)
- · Automatic Pass/Fail Testing
- PC Card Support for Hard Drives and Memory Cards
- Internal Graphics Printer Option



The LT37X and LT26XWaverunner-2 series scopes with Wavepilot and QuickZoom provide excellent data acquisition characteristics and easy signal analysis.

The new Waverunner-2 series of digital oscilloscopes from LeCroy provide the power you need to quickly view, measure, and evaluate your signals — accurately and reliably — all at a reasonable price. These oscilloscopes are designed to save engineers valuable time in troubleshooting and problem solving.

Each Waverunner-2 oscilloscope is an integrated and powerful system providing the capability to CAPTURE, VIEW, and ANALYZE (simple as well as complex) signals. The new *Wavepilo* button offers easy access to popular measurement and analysis functions.

Model LT374 provides 500 MHz of bandwidth at up to 4 GS/s into 8 Mpts of acquisition memory (when used with the "L" memory option). This allows single-shot capture of long/complex signals at high sampling rates.

The external trigger input is useful to trigger on an additional signal. Altogether, the Waverunner-2 series provides the bandwidth, sample rate, acquisition memory, and processing power needed to test signals with excellent fidelity, resolution, and precision.

The Wavepilo feature provides easy access to analysis capabilities which improve your productivity; you get one-touch operation of features that automatically sets up cursors, creates context-sensitive displays of up to 26 waveform parameters, histograms, and trends. JitterTrack™ and TrackView help you track down timing and signal integrity problems right to the source.

Select the right configuration for your needs and budget. If you need to expand in the future, LeCroy provides reasonably priced upgrades for both hardware and software.



Signal Viewing

Display

The bright, clear 8.4" TFT LCD color display makes it easy to see signal details. Select *Full Screen* and the entire screen is devoted to signal viewing to really see signal details. *QuickDomautomatically* displays up to eight traces on multiple grids with maximum S/N ratio. With a press of the green *Analog Persistene* button, choose the intensity-graded or color-graded view and quickly visualize the signal's history.

Analog Persistence with "History"

Press Analog Persistene and select "History" to store and view up to 4,000 sequential acquisitions in Analog Persistence mode with display of trigger times down to 1 ns resolution. Scan forward and backward to search for signal errors, then analyze when and why the error occurred.

Quick Zoom

Press *QuickZom* to explore signal relationships and inspect or magnify selected regions of a waveform. Use *AutoScrolt* oscan and view details on signals of up to 8 Mpts.

Signal Analysis

Wavepilot

Wavepilotis the easy-to-access signal analysis feature on new Waverunner-2 oscilloscopes. Wavepilotigives you the most direct way to view measurement cursors, or a group of 26 measurement parameters and evaluate the signal with graphs including Histograms, TrackView, or the frequency spectrum (FFT) view.

Graph

Press Wavepiloand select "Graph" for quick and simple setup of measurements, FFT or TrackView trends. Select optional histograms or JitterTrack for accurate and precise results when evaluating critical timing parameters, crosstalk, and signal integrity problems in high-speed designs. All track views are synchronized to the signal so you can track problems to the source.

Cursors and Automatic Measurements

Press Wavepilo and select "Parameters" to view up to 26 of the 28 standard waveform parameters (over 40 are available with optional analysis packages). It's context-sensitive, so if you select FFT or TrackView, it shows the right parameters with the right units. Select the Cursor button for instant access to cursor measurements.

Signal Analysis Solutions

Optional software packages customize the Waverunner-2 scopes with powerful signal analysis solutions including power measure, disk drive and media development, wireless and network communications, and computer design. Press Wavepilo and select Analysis Packages of direct access.

Custom DSO

Get your work done fast by automating your analysis with your own customized setups and applications. CustomDSO applications can be created offline and stored on a floppy disk, or on the optional hard drive and memory cards for quick access.

| | LT374 | LT372 | LT264 | LT262 |
|-----------------------------------|------------------------------|--|------------------------|-------------------|
| Bandwidth | 500 MHz | 500 MHz | 350 MHz | 350 MHz |
| Input Channels | 4 | 2 | | 2 |
| Single-Shot Sample Rate | | | Render (1) (1) (1) (1) | |
| 1 Channel max. | 4 GS/s | 4 GS/s | ******* 1 GS/s | 1 GS/s |
| 2 Channels max. | 4 GS/s | 2 GS/s | nisma / 1 GS/s | 1 GS/s |
| 3-4 Channels max. | 2 GS/s | NA | 1 GS/s | NA |
| Random Interleaved Sampling (RIS) | 50 | GS/s for repetitive signals: 500 ps/di | v – 1 us/div | |
| Maximum Acquisition Points/Ch | (1 Ch) / (2 Ch) / (3 - 4 Ch) | | | |
| Standard | 500 k / 500k / 250 k | 500 k / 250 k / NA | 100 k / 100 k / 100 k | 100 k / 100 k / N |
| M — memory option | 2M/2M/1M | NA | 1 M / 1M / 1M | NA |
| L — memory option | 8 M / 8 M / 4 M | NA | NA | NA |

Specifications

| Vertical System | LT374/M/L | LT372 | LT264/M | LT262 |
|---|--|---|--------------------|----------------|
| Input Channels | 4 | 2 | 4 | 2 |
| Analog Bandwidth @ 50 (-3 dB) | 500 MHz | 500 MHz | 350 MHZ | 350 MHz |
| Hardware Bandwidth Limits | | 20 MHz or 200 MHz | | |
| nput Impedance | | 50 ± 1%; 10 M /12 pF typical (using | a PP006 probe) | |
| nput Coupling | | 1 M : AC,DC,GND; 50 : DC | | |
| Maximum Input | | 50 : 5 Vrms; 1 M : 400 Vmax (peak AC | | |
| ertical Resolution | | 8 bits; up to 11 bits with enhanced re | | |
| ensitivity (50 or 1 M) | | 2 mV - 10 V/div fully varia | | |
| DC Gain Accuracy | | ± (1.5% + 0.5% of full scal | | |
| Offset Accuracy (50 or 1 M) | | ± (1.5% + 0.5% of full scale + | | |
| Offset Range | | ± (1.570 + 0.570 OF Tall Scale + | 1 1111) | |
| onset Range | | 2 mV – 99 mV/div:±1 V | | |
| | | 100 mV - 99 V/div:±10 | V | |
| | | 1 V – 10 V/div: ±100 V | V | |
| colotion Channel to Channel | | | 0.00 | |
| solation — Channel to Channel | | >250:1 at same V/div setti | ngs | |
| Timebase System | | | | |
| Timebases | Main and up to four independent zoom traces simultaneously | | | |
| Ranges | 500 ps/div – 1000 s/div 1 ns/div – 1000 s/div | | | 1000 s/div |
| Clock Accuracy | 10 ppm | | | |
| nterpolator Resolution | 5 ps | | | |
| xternal Clock Frequency | 500 MHz maximum, 50°, or 1 M° impedance | | | |
| Roll Mode – Operating Range | | time/div 500 ms - 1000 s/div or sample i | | |
| xternal Timebase Clock | 500 MHz maximum external sample clock input on front panel EXT BNC | | | |
| Acquisition System Single Shot Sample Rate | | | | |
| 1 Channel Max. | 4 GS/s | 4 GS/s | 1 GS/s | 1 GS/s |
| 2 Channels Max. | 4 GS/s | 2 GS/s | 1 GS/s | 1 GS/s |
| 3 – 4 Channels Max. | 2 GS/s | NA | 1 GS/s | NA |
| Maximum Acquisition Points/Ch | | | | |
| 1 Channel Max. | 500k / 2M / 8M | 500k | 100k / 1 M | 100k |
| 2 Channels Max. | 500k / 2M / 8M | 250k | 100k / 1 M | 100k |
| 3 – 4 Channels Max. | 250k / 1M / 4M | NA NA | 100k / 1 M | NA |
| Acquisition Modes Random Interleaved Sampling (RIS) | | 50 GS/s for repetitive signals: 500 ps. | | |
| Single Shot | For transient and repetitive signals: 1 ns/div – 1000 s/div | | | |
| Sequence | | | | |
| LT262/264 | 2 – 400 segments | | | |
| LT372/374 | 2 – 1 000 segments | | | |
| Memory Option M or L | 2 - 4 000 segments | | | |
| Intersegment Time | 50 µsec max. | | | |
| intersegment nine | Summed averaging to 10 ³ sweeps; continuous averaging with weighting range from 1:1 to 1:1023 (standard). | | | |
| Acquisition Processing Averaging | Summed averaging to | | | 23 (standard). |
| Acquisition Processing | Summed averaging to | 10 ³ sweeps; continuous averaging with we Summed averaging up to 10 ⁶ sweeps (op From 8.5 to 11 bits vertical res | otional with WAVA) | 23 (standard). |

SpecificationsContinued

| Triggering System | | | |
|-----------------------------------|--|--|--|
| Modes | Normal, Auto, Single, and Stop | | |
| Sources | Any input channel, external, Ext/10 or line; slope, level, and coupling unique to each source (except line trigger) | | |
| | Inactive channels usable as trigger inputs. | | |
| Slope | Positive, Negative, Window | | |
| Coupling modes | DC, AC, HFREJ, LFREJ | | |
| AC Cutoff Frequency | 7.5 Hz Typical | | |
| HFREJ,LFREJ | 50 kHz typical | | |
| Pre-trigger delay | 0 – 100% of horizontal time scale | | |
| Post-trigger delay | 0 – 10 000 divisions | | |
| Hold-off by time or events | Up to 20s or from 1 to 99 999 999 events | | |
| Internal trigger range | ±5 div | | |
| Max trigger frequency | 500 MHz (350MHz on LT264, LT262) | | |
| External trigger input range | ±0.5 (±5 V with Ext/10 selected) | | |
| Maximum ext. input @ 50 | ±5 V DC or 5Vrms | | |
| Maximum ext. input @ 1 M | 400 Vmax (DC + peak AC < 5 kHz) | | |
| Automatic Setup | | | |
| Auto Setup | Automatically sets timebase, trigger, and sensitivity to display a wide range of repetitive signals | | |
| Vertical Find | Automatically sets the vertical sensitivity and offset for the selected channels to display a waveform with maximum dynamic range | | |
| Probes | | | |
| | 404.40 M = 9h = 1 = data (/ · · · · · · · · h · · · · · · · · · · | | |
| Model PP006 | 10:1, 10 M with auto-detect (one per channel) | | |
| Probe System: ProBus | Automatically detects and supports a wide variety of differential amplifiers; active, high-voltage, current, and differential probes | | |
| Scale Factors | Up to 12 automatically or manually selected | | |
| Color Waveform Display | | | |
| Туре | VGA color 8.4" flat-panel TFT-LCD | | |
| Resolution | VGA 640 x 480 pixels | | |
| Screen Saver | Display blanks after 10 minutes (when screen saver is "on") | | |
| Real Time Clock | Date, hours, minutes, and seconds displayed with waveform | | |
| Number of Traces | Display a maximum of eight traces. Simultaneously display channel, zoom, memory, and math traces | | |
| Grid Styles | Single, Dual, Quad, Octal, XY, Single + XY, Dual + XY; Full Screen gives enlarged view of each style | | |
| Intensity Controls | Separate intensity control for grids and waveforms | | |
| Waveform Styles | Sample dots joined or dots only — regular or bold sample point highlighting | | |
| Trace Overlap Display | Select opaque or transparent mode with automatic waveform overlap management | | |
| Analog Persistence Display | | | |
| Analog & Color-Graded Persistence | Variable saturation levels;stores each trace's persistence data in memory | | |
| Trace Selection | Activate Analog Persistence on a selected trace, top 2 traces, or all traces | | |
| Persistence Aging Time | Select from 500 ms to infinite | | |
| Trace Display | Opaque or transparent overlap | | |
| Sweeps Displayed | All accumulated or all accumulated with last trace highlighted | | |
| Zoom Expansion Traces | | | |
| Display up to Four Zoom Traces | | | |
| Vertical zoom | Up to 5X expansion, 50X with averaging | | |
| Horizontal zoom | Expand to 2 pts/div, magnify to 50 000X | | |
| Auto Scroll | Automatically scan and display any zoom or math trace | | |
| Rapid Signal Processing | | | |
| Processor | Power PC | | |
| Processing Memory | Up to 128 Mbytes | | |
| Realtime Clock | Dates, hours, minutes, seconds, and time stamp trigger time to 1 ns resolution | | |
| | = ==================================== | | |

SpecificationsContinued

| Internal Waveform Memory | • | | |
|--------------------------------------|--|--|--|
| Waveform | M1,M2,M3, M4 (Store full-length waveforms with 16 bits/data point) | | |
| Zoom and Math | Four traces A, B, C, D with chained trace capability | | |
| Setup Storage | | | |
| Front Panel and Instrument Status | Four non-volatile memories and floppy drive are standard. Hard drive and memory card are optional. | | |
| Interface | | | |
| Remote Control | Full control of all front panel controls and internal functions via RS232C, GPIB, or Ethernet (optional) | | |
| RS-232-C | Asynchronous transfer rate of up to 115.2 kbaud | | |
| GPIB Port | Full control via IEEE – 4888.2; configurable as talker/listener for computer control and data transfer | | |
| Ethernet (optional) | 10 Base-T Ethernet interface | | |
| Floppy Drive | Internal,DOS-format, 3.5" high-density | | |
| PC Card Slot (optional) | Supports memory and hard drive cards | | |
| External Monitor Port Standard | 15-pin D-Type VGA-compatible | | |
| Centronics Port | Parallel printer interface | | |
| Internal Graphics Printer (optional) | Provides hard copy output in <10 seconds | | |
| Outputs | | | |
| • | E00 Hz. 1 MHz cquare ways or DC level-Colect from 1.0 to 1.10 into 1.M above output on front panel test point and ground lug | | |
| Calibrator Signal Control Signals | 500 Hz – 1 MHz square wave or DC level; Select from -1.0 to +1.0 into 1 M ohm, output on front panel test point and ground lug. Rear Panel, TTL level, BNC output; Choice of trigger ready, trigger out, pass/fail status (output resistance 300 ± 10%) | | |
| COLITION SIGNAIS | real Parier, FTE level, bive output, Choice of trigger ready, trigger out, pass/rail status (output resistance 500 - ± 10%) | | |
| Environmental and Safety | | | |
| Operating Conditions | | | |
| Temperature | 5 – 40 °C rated accuracy | | |
| | 0 – 45 °C operating | | |
| | -20 – 60 °C non-operating | | |
| Humidity | 80% max RH, non-condensing up to 35 °C; Derates to 50% max RH, non-condensing at 45 °C | | |
| Altitude | 4 500 m (15 000 ft) max.up to 25 °C; Derates to 2 000 m (6 600 ft) at 45 °C | | |
| CE Approved | | | |
| EMC | EMC Directive 89/336/EEC; EN 61326-1 Emissions and Immunity | | |
| Safety | Low Voltage Directive 73/23/EEC; EN 61010-1 Product Safety (Installation Category II, Pollution Degree 2) | | |
| UL and cUL approved | UL Standard UL 3111-1 cUL Standard CSA C22.2 No. 1010-1 | | |
| Conoral | | | |
| General | | | |
| Auto Calibration | Ensures specified DC and timing accuracy is maintained for 1 year minimum | | |
| Auto Calibration time | < 500 ms | | |
| Power Requirements | 90 – 132 VAC at 45 - 440 Hz | | |
| | 180 - 250 VAC at 45 - 66 Hz | | |
| | Automatic AC voltage selection | | |
| D. H D I | Power Consumption: 150 – 230 VA depending on model | | |
| Battery Backup | Front panel settings retained for two years minimum | | |
| Warranty and Calibration | Three years; calibration recommended yearly | | |
| Physical Dimensions | | | |
| Dimensions (HWD) | 210 mm x 350 mm x 300 mm; 8.3" x 13.8" x 11.8" (height excludes feet) | | |
| Weight | 18 lbs (8 kg) | | |
| Shipping Weight | 27 lbs (12 kg) | | |
| | | | |

Specifications

Continued

Math Tools

Simultaneously perform up to four math (signal) processing functions;traces can be chained together to perform math on math.

Standard Math Tools

average (sum to 4 000 sweeps) product average (continuous weighted) ratio

difference reciprocal (invert)
enhanced resolution (to 11 bits) resample (deskew)
envelope rescale (with units)

FFT of 50 kpoint waveforms roof floor $\sin x/x$ identity $\sin x/x$

negate

Measure Tools

Automated Measurements: Display any five parameters together with their average, high,low, and standard deviations.

Standard Measure Tools

period amplitude fall 90-10% phase area fall 80-20% base frequency rise 10-90% rise 20-80% cycle mean maximum cycle rms rms mean sdev cycles minimum +overshoot top delay delay -overshoot width duty cycle peak-to-peak xamn xamx

Pass/Fail

log (base(10)

Test any five parameters against selectable thresholds. Limit testing is performed using masks created on the scope or PC. Set up a pass or fail condition to initiate actions such as hard copy output, saving waveform to memory, GPIB SRQ, or pulse out.

Extended Math and Measurement Option

Adds math and advanced measurements for all general purpose applications. Includes all standard math and measurement tools, plus:

Extended Math Tools

absolute value integrate
differentiate square
exp (base e) square root
exp (base 10) trend (datalog)
log (base e) Histogram (200 events)

| Cursor Measurements | | | |
|-----------------------|--------|------------------------------------|--------------------------------------|
| Type Relative time | Symbol | From First point on waveform | To Any other point on waveform |
| Relative voltage | | Select voltage level | Any other voltage level |
| Absolute time | H H FO | Time and voltage relative to | Ground and trigger |
| Absolute voltage | | Voltage | Ground |

Extended Measure Tools

cycle median first point
cycle std. deviation last point
time @ level; % and volts number of points
time @ level from trigger median

time from clock to data + (setup time) rise @ level; % and volts time from clock to data - (hold time) std. deviation duration

WaveAnalyzer

Includes the Extended Math and Measure Tools as well as expanded capabilities for performing FFTs, averaging, histograms, and histogram parameters.

WaveAnalyzer Tools

Histogram up to 2 billion events. Analyze with 18 histogram parameters

Summed averaging to 1 million sweeps

WaveAnalyzer FFT capability expands the basic FFT to include:

FFT power averaging

FFT power density, real, and imaginary

FFT on all acquisition points

With WaveAnalyzer FFT you get maximum resolution at wide frequency spans.

Other Application Solutions

Jitter and Timing Analysis (JTA)

Digital Filter Package (DFP)

PowerMeasure Analysis (PMA1)

Communications Mask Testing (MT01/MT02)

Polymask Mask Testing (PSMK)

Advanced Optical Recording Measurements (AORM) for LT37X scopes

Disk Drive Measurements (DDM) PRML Analysis (PRML)

Free Software Utilities

ScopeExplorer: Easy to use utility that provides a simple but powerful way to

control your scope remotely over RS232C,GPIB, or Ethernet.

Active DSO: Active X controls for flexible windows applications programming

with remote control.

MaskMaker: Create a tolerance test mask offline with this graphic tool.

DSO Filter: Specify a set of filter coefficients and load them into the scope.

SpecificationsContinued

| Basic Triggers | |
|------------------------------------|---|
| Edge/Slope/Window/Line | Triggers when signal meets slope and level condition |
| SMART Triggers | |
| State or Edge Qualified | Triggers on any input source only if a defined state or edge occurred on another input source. Delay between sources is selectable by time or events. |
| Dropout | Trigger if signal drops out for longer than selected time between 25 ns and 20 s. |
| Pattern | Logic combination of 5 inputs (3 on 2 channel models); Each source can be high, low, or don't care. Trigger entering or exiting the pattern |
| TV-Video | Triggers selectable fields (1, 2, 4, or 8) for NTSC, PAL SECAM, or nonstandard video (up to 1500 lines) |
| SMART Triggers with Exc | lusion Technology |
| Signal or Pattern Width | Triggers on glitches or on pulse widths selectable from <2.5 ns to 20 s or on intermittent faults. |
| Signal or Pattern Interval | Triggers on intervals selectable between 10 ns and 20 s. |
| Slew Rate* | Trigger on edge rates;select limits for dV, dt, and slope. Select edge limits between 2.5 ns and 20 s. |
| Runt* | Positive or negative runts defined by two voltage limits and two time limits. Select between 2.5ns and 20 ns. |
| Hard copy | |
| | Print Screen is activated by a front-panel button or remote control. Store screen image files or print to external printers including net work printers and directories. Network printing and file access requires the LAN10BT Ethernet option. |
| Supported Printers | |
| B/W | LaserJet, DeskJet, Epson An optional, internal high-resolution graphics printer is also available for screen dumps; stripchart output formats capable of up to 200 cm/div. |
| Color | Desklet 550C, Epson Stylus, Canon 200/600/800 series, HP7470 and HP7550 |
| Hard copy Formats | TIFF b/w, TIFF color, BMP color, BMP compressed, and HPGL |
| Waveform Output | |
| · | Store Waveforms to floppy disk or optional PC-Card Hard Drives and memory cards |
| | Save any trace you choose and select Auto-Store to automatically store the waveform after each trigger |
| Output Formats | The ASCII waveform output is compatible with spreadsheets, MATLAB, Mathcad, etc. Binary output is also available for reduced file size. |
| Documentation | |
| Included with Waverunner-2 Oscillo | oscopes: |
| | Operators Manual — hard copy |
| | Remote Programming Manual — hard copy |
| | CD-ROM — PDF formatted manuals plus software utilities including ScopeExplorer, ActiveDSO, MaskMaker, |
| | DSO-Filter, and DSONet Print Gateway. |
| * optional Advanced Trigger Packaç | |

| Ordering Information | |
|---|---------------------------------|
| Waverunner-2 Digital Oscilloscopes | Product Code |
| 500 MHz, 2 GS/s, 250 kpts/ch, 4 Channel Color | LT374 |
| 500 MHz, 2 GS/s, 250 kpts/ch, 2 Channel Color | LT372 |
| 350 MHz, 1 GS/s, 100 kpts/ch, 4 Channel Color | LT264 |
| 350 MHz, 1 GS/s, 100 kpts/ch, 2 Channel Color | LT262 |
| Included with Standard Configuration | |
| 10:1 10 M Passive Probe (1 per channel) | PP006 |
| Operator's Manual, Quick Reference Guide, CD-ROM | WR2-OMCD-E |
| with OM/RCM PDF manuals, and utility software | W.D.O. O. A. F. |
| Operator's Manual Remote Control Manual | WR2-OM-E WR-RCM-E |
| Floppy Disk Drive | WK-KCIVI-E |
| GPIB, RS-232-C, Centronics Parallel Port, VGA Video Output Port | |
| Protective Front Cover | AND CONTROL OF |
| Performance Certificate | |
| Three-Year Warranty | Manual (2007) |
| Memory Options | LT264 LT374 |
| M: 1 Mpts/ch | 50016 0- 50001 |
| L: 4 Mpts/ch | |
| Hardware Options | |
| Internal Graphics Printer | GP02 |
| 10 Base-T Ethernet LAN option | LAN10BT |
| PC Card Slot | PCSLOT |
| PC Card Slot including 1 hard drive card and 1 memory card | PCMEDIA |
| Software Options | |
| Wave Analyzer Analysis Package | WAVA |
| Jitter Analysis and Wave Analyzer | JTWA |
| Extended Math and Measurement Package ITU G.703 Fully Automated Mask Tester | EMM MT01 |
| ANSI T1.102 Fully Automated Mask Tester | MT02 |
| Jitter and Timing Analysis Package | JTA |
| Digital Filter Package | DFP |
| Disk Drive Measurements | DDM |
| Supplementary Disk Drive Measurements | PRML |
| Advanced Optical Recording Measurements* | AORM |
| Power Measure Analysis Software | PMA1 |
| Advanced Trigger Package | ATP |
| Selected Accessories | LIPE |
| 1 GHz Active probe | HFP 1000 |
| Differential Probe Current Probe | ADP300 series CP and AP series |
| Differential Amplifiers | DA1800 series |
| 50 to 75 adapter | PP090 |
| Oscilloscope Cart | OC-RUNNER |
| Graphic Printer Paper/10 Rolls | GPR10 |
| Service and Extended Warranties | |
| US NIST Standard Calibration | CCNIST |
| US Military Standard Calibration | CCMIL |
| Swiss OFMET Standard Calibration | CCOFMET |
| Five-Year Warranty at time of scope purchase | W5 |
| Five-Year Warranty and NIST Calibration at time of scope purchase * optional on LT37X series | T5 |
| upuunai un Ei 37A senes | |
| | |

Sales and Service Throughout the World

Corporate Headquarters 700 Chestnut Ridge Road

700 Chestnut Ridge Road Chestnut Ridge, NY 10977

http://www.lecroy.com

LeCroy Sales Offices:

Asia: Hong Kong Phone (852) 2834 5630 Fax (852) 2834 9893

Austria: Markersdorf Phone (43) 2749 30050 Fax (43) 2749 30051

Benelux: The Netherlands Phone (31) 40 211 6998 Fax (31) 40 211 6999

France: Les Ulis Phone (33) 1 69 18 83 20 Fax (33) 1 69 07 40 42

Germany: Heidelberg Phone (49) 6221 827 00 Fax (49) 6221 834 655

Italy: Venice Phone (39) 041 456 97 00 Fax (39) 041 456 95 42

Japan:Osaka Phone (81) 6 6396 0961 Fax (81) 6 6396 0962

Japan: Tokyo Phone (81) 3 3376 9400 Fax (81) 3 3376 9587

Japan: Tsukuba Phone (81) 298 56 0961 Fax (81) 298 56 0962

Korea: Seoul Phone (82) 2 3452 0400 Fax (82) 2 3452 0490

Spain: Madrid Phone: (34) 91 640 11 34 Fax: (34) 91 640 06 40

Switzerland: Geneva Phone (41) 22 719 2111 Fax (41) 22 719 2230

U.K.: Abingdon Phone (44) 1 235 536 973 Fax (44) 1 235 528 796

U.S.A.: Chestnut Ridge Phone (1) 845 578 6020 Fax (1) 845 578 5985

