

prisma

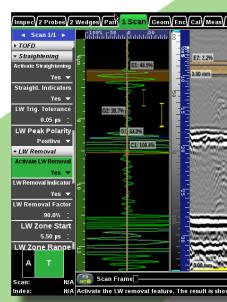




As **Simple** as you want

- 30 Second Configuration
- Single Hand Operation
- Interactive Help & 3D views
- Configuration & Calibration Wizards
- "Parameter Genius" for additional guidance
- Minimize training: Common User Interface

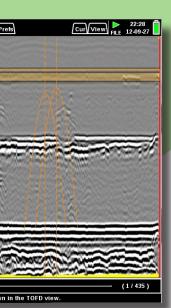




TOFD







As Capable as you need

- UT, TOFD & PA Inspection Modes
- Unique cursors for precision measurement
- Recordability: screen shots, full data recording, fully traceable.
- UT Studio Fast and dynamic reporting
- Customized imaging layout.... over 25 to choose from.

STEP UP from conventional UT to phased array.

Formats available are:

Prisma UT

Prisma UT + TOFD

Prisma UT + PA

Prisma UT + PA + TOFD

Upgradeable anytime, anywhere!

prisma series

....true performance to meet all your inspection requirements.



The **prisma** is the latest product from Sonatest's technician focussed product development and research. An advanced ultrasonic flaw detector offering the technician an extremely comprehensive tool for test and measurement, which can be upgraded to include TOFD and Phased Array capability. An upgrade can be carried out wherever you are, there is no need to return the instrument, eliminating any downtime.

Simple controls, superior performance, advanced features and a rugged enclosure deliver simplicity, capability and reliability to the technician's finger tips.



With the best display size and resolution in it's category, the **prisma** provides the end user with an intuitive and workflow driven interface, excellent imaging capability uses the Full screen mode allowing 100% of the display to be used for Scan Imaging. Numerous palettes are accessible for all scan types "see things how you want to", in amplitude or depth C-Scans, customise your palettes. Take full advantage of the advanced display modes which include smoothing, contouring and averaging all available to enhance your signal quality.



The **prisma** is constructed to exacting standards using a rigid, shock mounted, internal chassis surrounded by an impact absorbing enclosure and designed to meet IP66; which ensures the unit is fully sealed against fine dust and jets of water.

Typical applications are broad but include Weld Inspection, Corrosion Mapping, Aerospace and Composite Testing.



Prisma UT

The Prisma UT model is fully loaded, carrying all the basic and advanced features of the Sonatest flaw detector range. Prisma UT offers damping control to either optimize near surface resolution or energy transmission. The ability to capture screens is standard combined with automatic reporting capability which enables reports to be formatted with relative bespoke customer information such as logos etc. The most popular flaw sizing techniques such as DAC, AVG/DGS, TGC and AWS are all on-board.

Thanks to the on-board software enhancing the B and C-Scan imaging capabilities, the Prisma UT enables field technicians to conduct dedicated corrosion and composite inspections, together with comprehensive on-site thickness profiling.

Prisma TOFD

Ultrasonic Time of Flight Diffraction (TOFD) has gained in popularity over the last decade and via the Prisma TOFD, Sonatest brings market a truly portable and powerful TOFD unit. Knowing that TOFD inspection can be carried out on wall as 6mm (1/4"), thickness as thin the offers the best digitizing frequency of its category going up to 200MHz. Simply put this means frequency transducers can be used, that high ensuring the most accurate flaw height sizing possible.

TOFD is a versatile technique; with two UT channels the Prisma permits the inspection of thick component in a single pass. This is enhanced by the high voltage square wave pulsers delivering up to 450V.

Prisma **TOFD** offers the complete hardware configuration deliver the best performance. but it would be incomplete without the on-board software features such hyperbolic as cursors lateral wave straightening and lateral wave removal.

Prisma PA

Ultrasonic Phased Array technology has the established method for advanced NDT testing applications. Phased Array Techniques allow user to cover a wider volume of inspection; such as being able to cover the complete span of a weld without the need to move or reposition the transducer. This is possible due to phased array enabling beams to be electronically steered. This technique results in comprehensive imaging of the results showing а quasi cross section the inspected part.

With the Prisma PA you can switch easily and between the UT and PA quickly modes with a simple press of a button, no data or time is lost. The Inspection Plan shows the operator in 2D and 3D where probes are positioned on the test part, simplifying the inspection set up and providing an inspection reference for reporting. adjustments to focal laws are instantaneous. Multiple sectorial scans, true top, side and end view extractions, together with C-Scans, all supported. are

UT Studio

Studio PC based software. which accompanies the Prisma and enables powerful post analysis capability. Not only does it offer excellent report generation features but new views can be generated and comparative analysis can be conducted by opening multiple inspection data files, re-gating and producing fully illustrated reports. Working in a familiar



"drag and drop" environment the end user can create multiple views such a Top, End and B-Scan visual files by simply dragging Prisma data files onto templates for presentations. Full recordability of data when using the Prisma is standard, which means that screenshots and all data can be retained and analyzed at a later date using UT Studio. In using the full data gathering capability traceability can be achieved; hence repeatability of the inspection and results can be confirmed.

Powerful measurement cursors and extractors can be added to identify indications, size and annotate defects. Reports are easily generated and can be exported into PDF format for review and circulation.

Specification (Specification are subject to change)



	Conventional UT	Phased Array
Pulsers		
Configuration	2 UT Channels	16:16 or 16:64
Test Mode	Pulse-Echo, Transmit/Receive and TOFD	Pulse-Echo, Transmit/Receive
Transducer Socket	LEMO 1 or BNC	I-PEX
Pulse Voltage	-100 V to -450 V (in steps of 10 V)	-25 V to - 75 V (in steps of 5 V)
PRF	1 Hz to 1500 Hz	1 Hz to 5000 Hz
Pulse Shape	Negative Square Wave (with ActiveEdge)	Negative Square Wave (with ActiveEdge)
Pulse Width	Adjustable: Spike to 2000ns (2.5 ns resolution)	Adjustable: Spike to 1000ns (2.5 ns resolution)
Edge Time	15 ns in 50 Ω load @200 V	12 ns in 50 Ω load @50 V
Output Impedance	5 Ω	<10 Ω
Trigger	On encoder resolution or internal PRF	On encoder resolution or internal PRF
Synchronisation	(both encoded or not)	(not encoded)
Focus Delay Range	n/a	O to 10 μs (2.5 ns resolution)
Damping Resistor	Selectable: 50 Ω or 400 Ω	n/a
Receivers		
Gain Range	100 dB (0.1 dB steps) Analogue Gain	O to 76 dB (0.1 dB steps), Analogue Gain
Max Input Voltage	25 Vp-p	200 mVp-p
Input Impedance	1 kΩ (pitch and catch)	200 Ω
Bandwidth	200 kHz to 22 MHz (-3 dB)	200 kHz to 14 MHz
Analog Filters	4 (automatic or manual)	3 (automatic)
Digital Filters	10 (automatic or manual)	10 (automatic or manual)
Rectification	Full wave, positive, negative, none (RF)	Full wave, positive, negative, none (RF)
Signal Enhancement	Digital filters, Smoothing, Contouring, Rejection, Averaging	Digital filters, Smoothing, Contouring, Rejection
Focus Delay Range	n/a	O to 10µs (16ns resolution interpolated to 3.8ns)
rocas betay harige	117 G	o to lops (lons resolution interpolated to 5.5hs)
Data Acquisition	177.5	o to lops (lons resolution interpolated to 5.611s)
	2 channels, true 200 MHz sampling rate	16 Channels, Full digital Delay & Sum
Data Acquisition		
Data Acquisition Architecture	2 channels, true 200 MHz sampling rate	16 Channels, Full digital Delay & Sum
Data Acquisition Architecture Digitizer Resolution Amplitude	2 channels, true 200 MHz sampling rate 12 bit ADC	16 Channels, Full digital Delay & Sum 12 bit ADC
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options)	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options)
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views Supported Scans	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal S-Scan or L-Scan
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views Supported Scans	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal A-Scan & TOFD	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal S-Scan or L-Scan
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views Supported Scans Number of Scans	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal A-Scan & TOFD up to 2	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal S-Scan or L-Scan 1 (with up to 3 extracted A-Scans)
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views Supported Scans Number of Scans Views	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal A-Scan & TOFD up to 2 A, B, C-Scan, Merged & TOFD	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal S-Scan or L-Scan 1 (with up to 3 extracted A-Scans) A, B, C, L, S-Scan, Merged plus true TOP & END
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views Supported Scans Number of Scans Views Colour Maps	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal A-Scan & TOFD up to 2 A, B, C-Scan, Merged & TOFD up to 10 18	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal S-Scan or L-Scan 1 (with up to 3 extracted A-Scans) A, B, C, L, S-Scan, Merged plus true TOP & END up to 10
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views Supported Scans Number of Scans Views Colour Maps Number of Layouts	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal A-Scan & TOFD up to 2 A, B, C-Scan, Merged & TOFD up to 10 18 Cartesian, Hyperbolic (TOFD)	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal S-Scan or L-Scan 1 (with up to 3 extracted A-Scans) A, B, C, L, S-Scan, Merged plus true TOP & END up to 10
Data Acquisition Architecture Digitizer Resolution Amplitude Measurement Data Processing Data Recording File Size Digitizing Frequency Focal Laws Focussing Type Max A-Scan Length Sub-Sampling Reference Trigger Sync. Scan & Views Supported Scans Number of Scans Views Colour Maps Number of Layouts Cursors	2 channels, true 200 MHz sampling rate 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 50 MHz, 100 MHz, 200 MHz n/a n/a 8192 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal A-Scan & TOFD up to 2 A, B, C-Scan, Merged & TOFD up to 10 18	16 Channels, Full digital Delay & Sum 12 bit ADC [0% to 100%] or [0% to 150%] FSH 16 bits/sample Full raw data recording (plus sub-sampling options) up to 3 GB 65 MHz 128 Constant Depth, Constant Path, Constant Offset 4096 samples 1:1 to 1:128 Initial Pulse or Gate/IFT supported Encoder or Internal S-Scan or L-Scan 1 (with up to 3 extracted A-Scans) A, B, C, L, S-Scan, Merged plus true TOP & END up to 10 35

Specification



	Conventional UT	Phased Array
DAC & TCG		
DAC points	16	16
DAC	1 with 3 "sub DACs"	1 with 3 "sub DACs" per focal Law
TCG points	16	16
Gain Range	60 dB	40 dB
Max Gain Slope	60 dB/µs	50 dB/μs
Gates		
A-Scan Gates	4 gates per A-Scan	4 gates per A-Scan (3 extracted A-Scans per S/L-Scan)
Gate Trigger	Flank/Peak	Flank/Peak
S/L-Scan	n/a	1 Extraction Box
Alarm LED	2 (sync on all gates & DACs)	2 (sync on all gates & DACs)
Measurements (A-Scan)	Peak & Flank (FSH, dB, Depth, Beam Path Length, Surface Distance), Echo-to-Echo, Floating Gates (reference from IFT)	Peak & Flank (FSH, dB, Depth, Beam Path Length, Surface Distance), Echo-to-Echo, Floating Gates (reference from IFT)
Interface & Reporting		
Integrated Help	Active help & parameter description / Optimization	
Remote Connection	Onboard VNC Server and FTP Server (connection through Ethernet protocol)	
Wizards	Configuration, Velocity and Zero, Wedge Delay, Sensitivity, TCG, DAC, DGS, Element Activation, Encoder	
Languages (dynamic)	Selectable: English, German, French, Spanish, Russian, Chinese, Hungarian, Italian, Portuguese	
Report Generation	PDF Report (includes customer logo, scan acoustic parameters, measurements, etc.), PNG screen capture.	
PDF Reader	Allows viewing any uploaded PDF file, scan plan, procedures, old reports etc.	
Inputs & Outputs		
mpats a catpats		
Encoder	1 or 2 axis encodin	g (quadrature input)
	2 input lin	es (5V TTL)
Encoder	2 input lin	
Encoder Digital Inputs Digital Outputs Power Output	2 input lin 4 Output lines (5V TTL, 20 mA) f	es (5V TTL)
Encoder Digital Inputs Digital Outputs	2 input lin 4 Output lines (5V TTL, 20 mA) f	es (5V TTL) or alarm or other external control
Encoder Digital Inputs Digital Outputs Power Output	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o	es (5V TTL) or alarm or other external control
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300	es (5V TTL) or alarm or other external control current limited
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch	cor alarm or other external control current limited Comm x 90 mm th battery) (diagonal)
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch	or alarm or other external control current limited Omm x 90 mm th battery) (diagonal) x 600
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, c 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour	es (5V TTL) for alarm or other external control current limited Omm x 90 mm th battery) (diagonal) x 600 es for scan palettes)
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, c 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour	cor alarm or other external control current limited comm x 90 mm th battery) (diagonal) x 600 s for scan palettes) c, with 2% reflectivity
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Type USB ports	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, c 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma	es (5V TTL) for alarm or other external control current limited Dmm x 90 mm th battery) (diagonal) x 600 es for scan palettes) c, with 2% reflectivity ester ports
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, c 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma	cor alarm or other external control current limited comm x 90 mm th battery) (diagonal) x 600 s for scan palettes) c, with 2% reflectivity
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 rs for scan palettes) y, with 2% reflectivity ester ports Mbps
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige	es (5V TTL) for alarm or other external control current limited Dmm x 90 mm th battery) (diagonal) x 600 rs for scan palettes) d, with 2% reflectivity ester ports Mbps mt Li-ion
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 es for scan palettes) e, with 2% reflectivity ester ports Mbps mt Li-ion 1
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries Operation	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 rs for scan palettes) the with 2% reflectivity firster ports Mbps mt Li-ion I al power (DC Power Pack)
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries Operation Battery Replacement	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige On battery or on Externa	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 es for scan palettes) e, with 2% reflectivity ester ports Mbps that Li-ion lal power (DC Power Pack) pls required
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries Operation Battery Replacement Battery Recharge	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige On battery or on Externatives, no too Recharge in unit (with unit On or OFF) - Ex	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 rs for scan palettes) r, with 2% reflectivity sister ports Mbps mt Li-ion I al power (DC Power Pack) pls required ternal Battery Charger (std) (as per EN16392)
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries Operation Battery Replacement Battery Recharge Battery Life	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige On battery or on Externatives, no too Recharge in unit (with unit On or OFF) - Ex	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 es for scan palettes) e, with 2% reflectivity ester ports Mbps that Li-ion lal power (DC Power Pack) pls required
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries Operation Battery Replacement Battery Recharge Battery Life Environmental	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige On battery or on Externatives, no too Recharge in unit (with unit On or OFF) - Ex	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 rs for scan palettes) r, with 2% reflectivity ester ports Mbps mt Li-ion 1 al power (DC Power Pack) pols required ternal Battery Charger (std) (as per EN16392) ode, 6 hours in PA mode
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries Operation Battery Replacement Battery Recharge Battery Life Environmental IP Rating	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige On battery or on Externative of the second of the sec	es (5V TTL) for alarm or other external control current limited Domm x 90 mm th battery) (diagonal) x 600 rs for scan palettes) r, with 2% reflectivity rester ports Mbps Mbps It Li-ion It al power (DC Power Pack) rols required ternal Battery Charger (std) (as per EN16392) rode, 6 hours in PA mode
Encoder Digital Inputs Digital Outputs Power Output Enclosure Dimensions (HxWxD) Weight Display Size Display Resolution Display Colours Display Type USB ports Ethernet Battery & Power Supply Battery Type Number of batteries Operation Battery Replacement Battery Recharge Battery Life Environmental	2 input lin 4 Output lines (5V TTL, 20 mA) f 5V, 350 mA, o 205mm x 300 3.5 kg (wi 8.4 inch 800 260k (65535 colour TFT LCD, 450 Cd/m2 3 USB Ma 100 Intellige On battery or on Externa Yes, no too Recharge in unit (with unit On or OFF) - Ex Typical: 7 hours in UT m Designed to -10 °C to 45 °C	es (5V TTL) for alarm or other external control current limited form x 90 mm th battery) (diagonal) x 600 rs for scan palettes) r, with 2% reflectivity ester ports Mbps mt Li-ion 1 al power (DC Power Pack) pols required ternal Battery Charger (std) (as per EN16392) ode, 6 hours in PA mode







Onsite Practicality

Ergonomic Design

Technology Integration

prisma UT Standard Kit

Dual UT Channels with:

- A-Scan Recording
- 2 Axis Encoding
- Interface Triggering (IFT)

A,B and C Scan Displays
USB Stick (8GB)
Couplant
User Manual/ Quick User Guide
2 Point Neck Harness
Lithium-Ion Battery Pack
Power Cord & Power Supply adaptor
Screen Protector (Anti-Glare)
Transport Case (Airplane Carry on Size)

prisma UT/PA 16/16 Standard Kit

Dual UT channel kit above plus 16:16, manual PA

Options

UT option

TOFD

*encoding for UT is standard

*IFT for UT is standard

PA option

16:64

2 axis encoding & recording for PA IFT for PA Encoder Y-Splitter

Software Options

CSV Export Software function to export view data into a CSV format.



Distributed by:

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