Snap-on® VERUS Edge
Diagnostic & Information System

PRODUCT FEATURES
- Upgradeable ShopStream® integrated diagnostic software suite, comprising: scanner, scope, component test, data manager, TSBs, SureTrack® information, vehicle history and optional repair information system
- 4-channel lab/ignition scope
- Graphing scan tool with wireless scan module
- Web access to SureTrack expert information system
- Web access to Technical Service Bulletin database
- Domestic and Asian Fast-Track® Troubleshooter
- Fast-track Reference Database
- Digital Graphing Multimeter
- Customer/Vehicle information database application
- Data manager application
- Wi-Fi capable and open Internet browser
- Factory-installed Antivirus Security Essentials

DISPLAY TABLET
- 10.1” Color LCD, 1280x800 capacitive touchscreen
- 1.8 GHz, 32 bit, Quad-Core Intel® Celeron processor
- 64 GB internal Solid-State Drive
- Internal battery with approx. 5 hour run time
- Power-saving Ready Mode with 5 second startup
- Internal audio microphone and speaker
- Audio output port, auxiliary port
- Docking connector for video output and charging
- Two USB ports for peripheral device connection
- 802.11b/g/n wireless and Bluetooth® 2.1 communication

SYSTEM & USER INTERFACE
- Windows®-Embedded Standard 7 operating system
- Open system allows user-installed software
- Application multitasking capability
- User-specified display options
- Touchscreen navigation
- On-screen virtual keyboard

STANDARD ACCESSORIES
- Scan module with wireless interface to display tablet
- Scope module with USB interface to display tablet
- Vehicle communication interface cable and OBD-II adapter
- Four shielded, color-coded scope leads
- 110VAC adapter/charger
- Removable 11.1V Lithium-ion battery pack
- Custom-fit storage case
- Touchscreen stylus

SCAN TOOL SPECIFICATIONS
- Snap-on vehicle communication and Fast-Track Troubleshooter software included
- Reads & clears OBD-II and OEM-specific trouble codes
- Displays complete trouble code descriptions
- Displays from one to sixteen live data parameters (PIDs) simultaneously in graphing mode
- Adjustable sweep; Min/Max capture in graphing mode
- Includes functional tests, bidirectional controls and reset/learns
- Automatic vehicle ID for covered makes
- One-Touch full-vehicle code scan & clear for covered makes and systems
- Save codes, data movies and screen images
- Enhanced coverage as far back as 1980 for US domestic vehicles, including: Buick, Cadillac, Chevrolet, Chrysler, Dodge, Eagle, Ford, Geo, GMC, Hummer, Jeep, Lincoln, Mercury, Oldsmobile, Plymouth, Pontiac, Ram, Saturn, Spartan, Sprinter, Workhorse
- Enhanced coverage as far back as 1983 for Asian vehicles, including: Acura, Honda, Hyundai, Infiniti, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Scion, Subaru, Suzuki, Toyota
- Optional European vehicle software with enhanced coverage as far back as 1992 for Alfa Romeo, Audi, BMW, FIAT, Jaguar, Land Rover, MINI, Mercedes, Porsche, SMART, Volvo and VW

GLOBAL OBD-II VEHICLE COMMUNICATION SOFTWARE
- Communicates with 1995 and newer EOBD/OBD-II compliant vehicles
- Automatically establishes communication with the appropriate vehicle protocol

10 Modes of OBD-II
- Mode 1: graphs or displays current data
- Mode 2: retrieves freeze frame data
- Mode 3: monitors diagnostic trouble codes
- Mode 4: clears emissions related data
- Mode 5: oxygen sensor monitoring
- Mode 6: non-continuously monitored systems
- Mode 7: diagnostic trouble codes detected during last drive
- Mode 8: bi-directional controls (where available)
- Mode 9: displays important vehicle information
- Mode 10: permanent codes

GM VEHICLE COMMUNICATION SOFTWARE 1980 – 2015
- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- Front View Camera
- Radio/HVAC
- Headlamp Modules
- Auxiliary Body Controls
- Air Suspension
- Active Grille Air Shutter Module
- Object Detection
FORD VEHICLE COMMUNICATION SOFTWARE 1981 – 2015

- Telematics
- Seat Modules
- Rollover Sensor for Safety Systems
- 6.6L Crankshaft Position (CKP) Sensor Test
- Passenger Presence
- Diesel Power Balance Test
- Vehicle Theft Deterrent Codes, Data & Indicator Status
- Radio Systems Codes, Data & Test Including VIN Write
- HVAC Actuator & Recalibration
- 6.6L Turbo Tests
- Theft Deterrent, Keyless Entry and Remote Function Actuation
- ABS & Air Bag GM symptom codes
- Brake Pedal Pressure (BPP) Relearn
- Engine Bi-Directional Testing, incl. EVAP Monitor Test and EVAP System Testing, Output Controls, Injector Balance, ICB, IAC, EGR, Crank Pos Relearn
- Particulate Filter Replacement & Fuel Filter Life Reset Function – Diesel engines where applicable
- Transmission Bi-Directional Testing, incl. Solenoid Tests, Trans Shifting and Adaptive Resets
- ABS Diagnostics and Brake Bleeding
- Dash and Rear Integration Modules
- 2004 and newer Key Fob Programming

FORD VEHICLE COMMUNICATION SOFTWARE 1981 – 2015

- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- Injector Balance and Relative Compression Engine Tests
- Injector Quantity Adjustment and Injector Buzz Diesel Engine Test
- Clutch Tests and Relearn for Auto-Shifting Manual Transmissions
- Airbag Sub-Codes
- PATS Key Programming (CAN Vehicles)
- Battery Monitor
- Crankshaft Position (CKP) Relearn
- Engine Functional Tests
- EVAP
- Code Scan and Clear All Codes
- CAN UDS Auto-ID
- OEM Sub Codes
- Door and Window Modules
- 6.4L Tests and Turbo PIDs
- 6.7L Diesel Particulate Filter (DPF) Tests
- 6.7L Functional Tests
- 6.4L DPF Manual Regeneration
- Ford/Lincoln Air Suspension Re-calibration
- Engine Bi-Directional Testing, incl. EEC V engine controls, EVAP System Testing, Cold Soak Test, 7.3 Powerstroke Cylinder Contribution
- EGR functional test & Injector power balance 6.0 diesels
- Vane Turbo Functional Test 6.0 diesel
- Cylinder Contribution test – includes non-CAN, CAN and UDS Vehicles, where applicable

CHRYSLER VEHICLE COMM SOFTWARE 1983 – 2015

- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- Engine, Transmission, ABS, Airbag, Body, Occupant Classification Module, TPMS, Electronic shifter, HVAC, Steering angle sensor, ESP, Door Modules, Park Assist, Central Gateway, Instrument Panel, Transfer Case Diagnostics, Code Scan
- Active Dampering
- Blind Spot Module
- Adaptive Cruise Control
- Air Suspension
- BCM Configuration
- Sub Codes
- 6.7L Transmission Quick Learn
- Pinion Factor
- Diesel Exhaust Fluid (DEF) Tests
- HVAC Systems
- Engine Misfire Detection
- Diesel Cylinder Performance Test
- DPF Stationary De-Soot
- NAG Transmission Resets & Initialization
- Engine Bi-Directional Testing, incl. Actuator Tests, Forced EVAP Monitor Test, Set RPM/IAC Test, Purge Vapors Test, EGR System Test, ETC Throttle Follower Test, Misfire Counters, Generator Field, PCM VIN Programming
- Particulate Filter Replacement & Fuel Filter Life Reset Function – Diesel engines where applicable
- Transmission Bi-Directional Testing, incl. EMCC Reset, Quick Learn, Quick learn CAN, Battery Disconnect
- ABS brake bleed incl. Kelsey-Hayes, Teves, Bendix
- Body ATM Tests, incl. Door Locks, Lights, Chimes, Horn, Wipers, Sunroof and Overhead Module
- TPMS including sensor ID function

ASIAN VEHICLE COMM SOFTWARE 1983 – 2015

- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- In-depth Engine (including Hybrid), Transmission, Airbag & ABS, HVAC, Instrument, TPMS, Cruise Control, Code Scan, Clear All Codes, Power Steering coverage for popular Asian Import vehicle makes
- Honda Engine Control Module (ECM) Replacement Function
- Honda Transmission Control Module (TCM) Replacement Function
- Hyundai Body Control Module (BCM)
- Hyundai/Kia/Mazda Occupant Classification Module (OCM)
- Mazda Engine and ABS Functional Tests
- Mitsubishi Vehicle Coding
- Nissan/Infiniti Intelligent Key System
- Hyundai/Kia Advanced Safety Systems (Smart Cruise Control, Lane Departure Warning, Blind Spot Detection)
- Mitsubishi Timing Chain Maintenance Functions
- Toyota/Lexus Park Assist System
- Toyota Multiple Freeze Frame
- Mazda Sub Codes
• Suzuki Code Scan
• Nissan Electronic Power Steering (EPS)
• Honda Adaptive Cruise, Collision and Lane Module, Blind Spot Info
• Hyundai/Kia Electronic Park Brake
• Toyota Push Start Button
• Toyota Electronic Activated Control (EAC) Mounts
• Toyota/Mazda Auto-ID
• Suzuki 4WD and Power Steering
• Toyota/Lexus/Scion Transmission, Park Brake and Main Body
• Honda Vin Programming
• Honda/Acura/Nissan Cruise Control
• Hyundai/Kia Cylinder Power Balance
• Subaru TPMS
• Nissan/Infiniti/Suzuki HVAC Codes, Data & Test
• Mazda EVAP Test
• Hyundai/Kia Power Intelligent Control System
• Honda Civic and Acura Hybrid Brake
• Suzuki TPMS Systems
• Toyota Air Injection Test
• Mazda ABS Function Tests
• Lexus Air Suspension
• Toyota VIN Writing, Immobilizer System, Engine Memory Reset and Door/Mirror Modules
• Honda & Acura Occupant Detection
• Hyundai/Kia/Mitsubishi PCM VIN Write

**EUROPEAN VEHICLE COMM SOFTWARE 1992 - 2015**
- Enhanced OBD-I, OBD-II, EOBD & Generic OBD-II modes
- In-depth enhanced coverage for popular European makes

**DOMESTIC/ASIAN IMPORT DRIVEABILITY**

**FAST-TRACK® TROUBLESHOOTER**

General Motors, Ford, Chrysler/Jeep, Acura, Daihatsu, Honda, Hyundai, Infiniti, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota
- Domestic 1980 – 2015
- Asian Imports 1983 – 2015
- Troubleshooter procedures that verify a repair is completed and fixed properly
- Exclusive experience-based information
- Over 6.8 Million VIN-specific Troubleshooter Tips
- Exclusive VIN-Specific troubleshooting and systems code tips, no-code tips, no-start tips, driveability symptoms and frequent component failures
- Enhanced OBD-II Fast-Track data scan tips reflect manufacturer-specific enhanced dataStream capabilities
- Component locators
- Service procedures and specifications
- Code set specifications

**DOMESTIC/ASIAN IMPORT TRANSMISSION**

**FAST-TRACK TROUBLESHOOTER**
- Domestic 1981 through 2015 model year
- Asian import 1983 – 2015
- Electronic Controlled Transmission/transaxle coverage
- Technical service bulletins
- Enhanced Fast-Track data scan tips
- Transmission functional test insight
- Hundreds of transmission wiring diagrams

**DOMESTIC/ASIAN IMPORT ABS, BODY, AIRBAG**

**FAST-TRACK TROUBLESHOOTER**
- Solutions for ABS-related codes through 2015 models
- Symptom-based tips for 2015 models and earlier
- 24 vehicle makes supported
- Additional reference material and service bulletins
- Electronic Steering & Alignment functions

**FAST-TRACK TROUBLESHOOTER REFERENCE DATABASE**
- Reference information for 24 vehicle makes accessed on-screen directly via hotlinks from the scan tool
- OEM-sourced information. Including diagnostic reference information from TSBs, service manuals, test procedures, vehicle specifications, schematics, wiring diagrams, and more
- Coverage for drivability, transmissions and brake systems

**NOTE:** Scan tool coverage varies by model. Information current as of 2/16/2016. Subject to change without notice.

**LAB SCOPE SPECIFICATIONS**
Captures and displays live signals up to four waveforms on screen in real time
- 4 Channels
- 6 MSPS Sample Rate
- 3 MHS Bandwidth

**Note:** Also see SCOPE/METER SYSTEM SPECIFICATIONS at end of this document.

- Displays digital readout along with each waveform to determine voltage at the selected point on the waveform
- Color-coded waveform for each channel
- Manual & automatic display configuration for each channel
- Snapshot: Capture data over time saved into a buffer
- Easy Scroll: Streamlines selection of menu and toolbar
- AC Coupling: Provides the ability to enlarge the alternating current (AC) component of a signal for closer examination
- Invert: Flip waveform to adjust for flexible hookups and easier viewing
- Autofind: Automatically pre-configure the vertical scale
- Load Configuration: Select factory preset screens or define a custom setup and retrieve them as needed - diagnostic tasks most frequently performed on specific components can be selected to view the performance of sensors, actuators and circuits on a vehicle
- Peak Detect: User selectable for capturing hi-speed signals
**DIGITAL & GRAPHING MULTI METER SPECIFICATIONS**

- Auto scaling, high-impedance multimeter
- Digital and graphing display of results
- Pinpoint measurement of:
  - DC volts, AC Volts RMS, Ohms, Frequency, Pulse-width, Injection pulse-width, Duty cycle
  - Interface for optional amp probe and pressure/vacuum transducers
  - Continuity tester with audible beep

**POWER/WEIGHT/DIMENSIONS**

**Display Tablet**
- Power: 11.1V Lithium-ion battery pack
- Dimensions: 12.4"W x 8.2"H x 2.0"D
- Weight: 4.4 lbs – with battery and scope module

**Scope Module**
- Power: 5VDC supplied through Display Tablet connection
- Dimensions: 6.3"W x 4.6"H x 1.1"D
- Weight: .6 lbs

**Scan Module**
- Power: 12-24VDC supplied through vehicle data link connector
- Dimensions: 8.0"L x 1.7"H x 3.8"W
- Weight: .9 lbs

**OPTIONAL ACCESSORIES – LAB SCOPE/METER**

- Precision Low Amp Current Probe - EETA308D
- Pressure Transducer “Y” Adapter Cable - EAX24B40A
- Split Lead Adapter - EEMS301A05
- 100 PSI Pressure/Vacuum Transducer w/cable - EEPV302AL
- 500 PSI Pressure/Transducer w/cable - EEPV302AT
- 5000 PSI Pressure/Transducer w/cable - EEPV302AH
- Transducer Extension Cable - EAX0024B30A
- Scope Simulation/Demo Prop - EESX306SP

**OPTIONAL ACCESSORIES – SCAN TOOL**

- Domestic/Asian OBD-I Adapter Kit – EAK0301B10A
- European Vehicle Software Activation - EESP330E
- European Vehicle Adapter Kit – EAK0301B07C
- Adapter for Kia ABS & Airbag – EAA0355L92A
- Scanner Simulation/Demo Prop - EESX306SP

**OPTIONAL ACCESSORIES – IGNITION ADAPTERS**

- Ignition Scope Lead Set - EAK0294B09A
- EETA309A15 - Multiple Ignition Lead Module
- Ignition adapters
  - EETM306A03 COP-1 Ford
  - EETM306A04 COP-2 Chrysler
  - EETM306A05 CIC-2 Honda, Toyota
  - EETM306A06 CIC-1 GM
  - EETM306A07 COP-3 Audi, VW
  - EETM306A08 COP-4 Acura/Honda, Isuzu
  - EETM306A09 COP-5 Volvo/BMW
  - EETM306A10 COP-6 Mercedes
  - EETM306A11 COP-7 Mercedes Dual
  - EETM306A12 COP-8 BMW
  - EETM306A13 COP-9 Lexus
  - EETM306A14 COP-11 Audi, BMW, Chrysler, Jeep, Lexus, Mercedes, Saab, Toyota, Volvo, VW

**OPTIONAL ACCESSORIES**

- Screen Protector - EAC0107L19A1
- Charging/Docking Station w/USB Hub - EAA0418L04A
- Portable 5-Gas Analyzer - EEEA305APC
- Extended Warranty
- Custom-fit Foam Drawer Organizers for Snap-on 3-series Roll Carts - VERUSEFOAM3
- Custom-fit Foam Drawer Organizers for Snap-on 4-series Roll Carts - VERUSFOAM4
- ShopKeyPro Repair Information System
**SCOPE/ METER SYSTEM SPECIFICATIONS**

### MULTI METER

<table>
<thead>
<tr>
<th>Function</th>
<th>Range</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>1 – 2</td>
<td>Common Ground</td>
</tr>
<tr>
<td>Sample Rate</td>
<td>6.0 MSPS</td>
<td>Simultaneous</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>DC – 3 MHz</td>
<td>3 db point @ 3 MHz</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>10 MΩ @ DC</td>
<td>All channels</td>
</tr>
<tr>
<td></td>
<td>5.8 kΩ @ 3 MHz</td>
<td></td>
</tr>
<tr>
<td>V dc (Full Scale)</td>
<td>75 V maximum</td>
<td></td>
</tr>
<tr>
<td>V ac (Full Scale)</td>
<td>Peak to Peak Voltage</td>
<td>50 V maximum</td>
</tr>
</tbody>
</table>

### DIGITAL METER OHMS AND DIODE CONTINUITY TESTS

<table>
<thead>
<tr>
<th>Function</th>
<th>Range</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>3 – 4</td>
<td>Inputs between channels 3 (+) and 4 (+)</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>10 MΩ</td>
<td></td>
</tr>
<tr>
<td>Glitch capture</td>
<td>Approximately 50 mS</td>
<td></td>
</tr>
<tr>
<td>Ohms</td>
<td>400 Ω - 40 MΩ</td>
<td>Fixed scales or Auto Ranging</td>
</tr>
<tr>
<td>Diode Test</td>
<td>2 V Scale</td>
<td></td>
</tr>
</tbody>
</table>

### GRAPHING MULTI METER

<table>
<thead>
<tr>
<th>Function</th>
<th>Range</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Channels</td>
<td>1 – 2</td>
<td></td>
</tr>
<tr>
<td>Input Impedance</td>
<td>10 Megohm</td>
<td></td>
</tr>
<tr>
<td>Volts (DC)</td>
<td>400 mV thru 400V*</td>
<td>Auto Ranging</td>
</tr>
<tr>
<td>Frequency</td>
<td>5 Hz thru 50 KHz</td>
<td>Auto Threshold Setting</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>5 ms thru 2 s</td>
<td>Auto Threshold Setting</td>
</tr>
<tr>
<td>Inj Pulse Width</td>
<td>5 ms thru 2 s</td>
<td>Auto Threshold Setting</td>
</tr>
<tr>
<td>MC Dwell (60)</td>
<td>20 - 40 - 60 degrees</td>
<td>Auto Threshold Setting</td>
</tr>
<tr>
<td>MC Dwell (90)</td>
<td>30 - 60 - 90 degrees</td>
<td>Auto Threshold Setting</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>20 - 40 - 60 - 80 - 100%</td>
<td>Auto Threshold Setting</td>
</tr>
<tr>
<td>Low Amps (20)</td>
<td>1 - 2 - 5 - 10 - 20A</td>
<td>With EETA308D</td>
</tr>
<tr>
<td>Low Amps (40)</td>
<td>10 - 20 - 40A</td>
<td>With EETA308D</td>
</tr>
<tr>
<td>Low Amps (60)</td>
<td>10 - 20 - 40 - 60A</td>
<td>With EETA308D</td>
</tr>
<tr>
<td>Vacuum</td>
<td>5 - 10 - 20 in Hg</td>
<td>Sensor specific</td>
</tr>
<tr>
<td>100 psi Pressure</td>
<td>10 - 25 - 50 - 100 PSI</td>
<td>Sensor specific</td>
</tr>
<tr>
<td>500 psi Pressure</td>
<td>50 - 100 - 250 - 500 PSI</td>
<td>Sensor specific</td>
</tr>
<tr>
<td>5000 psi Pressure</td>
<td>500 - 1000 - 2500 - 5000 PSI</td>
<td>Sensor specific</td>
</tr>
</tbody>
</table>

* See Safety Warnings in VERUS Edge user manual
VERUS® Edge EEMS330  
- BID SPECIFICATION -  

**LAB SCOPE**

<table>
<thead>
<tr>
<th>Function</th>
<th>Range</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>1 - 4</td>
<td>Common Ground</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>DC - 3 MHz</td>
<td>3 db point @ 3 MHz</td>
</tr>
</tbody>
</table>

**Input Impedance**

<table>
<thead>
<tr>
<th></th>
<th>DC</th>
<th>All channels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 MΩ @ DC</td>
<td>4 kΩ @ 3 MHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>400 Volts</th>
<th>200 Volts</th>
<th>100 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vdc (full scale)</td>
<td>50 Volts</td>
<td>Do not test greater than 75Vdc</td>
<td>20 Volts</td>
</tr>
<tr>
<td></td>
<td>10 Volts</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>5 Volt</th>
<th>2 Volt</th>
<th>1 Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vac (full scale)</td>
<td>500 millivolt</td>
<td>200 millivolt</td>
<td>100 millivolt</td>
</tr>
<tr>
<td>Peak to Peak Voltage</td>
<td>Do not test greater than 50Vdc (rms)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>400 Volts</th>
<th>200 Volts</th>
<th>100 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secondary Ignition</td>
<td>1 - 50 KV</td>
<td>Channels 1 and 2</td>
<td></td>
</tr>
</tbody>
</table>

**LAB SCOPE SPECIFICATIONS BY SWEEP RATE**

<table>
<thead>
<tr>
<th>Sweep</th>
<th>Channels</th>
<th>Data points per screen</th>
<th>Buffer storage/Ch</th>
<th>Max # Screens</th>
<th>Total time ¹</th>
<th>Sample rate ²</th>
<th>Peak Detect ³</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 µs</td>
<td>Ch 1 only</td>
<td>300</td>
<td>524,288</td>
<td>1747</td>
<td>87.3 ms</td>
<td>6.0 MHz</td>
<td>N</td>
</tr>
<tr>
<td>100 µs</td>
<td>Ch 1,2 only</td>
<td>300</td>
<td>261,120</td>
<td>870</td>
<td>87.0 ms</td>
<td>3.0 MHz</td>
<td>N</td>
</tr>
<tr>
<td>200 µs</td>
<td>Ch 1,2,3,4</td>
<td>300</td>
<td>131,040</td>
<td>436</td>
<td>87.2 ms</td>
<td>1.5 MHz</td>
<td>N</td>
</tr>
<tr>
<td>500 µs</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>131 ms</td>
<td>1.0 MHz</td>
<td>N</td>
</tr>
<tr>
<td>1 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,040</td>
<td>262</td>
<td>262 ms</td>
<td>500 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>2 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,040</td>
<td>262</td>
<td>524 ms</td>
<td>250 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>5 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,040</td>
<td>262</td>
<td>1.3 S</td>
<td>100 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>10 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,040</td>
<td>262</td>
<td>2.6 S</td>
<td>50 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>20 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>5.2 S</td>
<td>25 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>50 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>13.1 S</td>
<td>10 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>100 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>26.2 S</td>
<td>5 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>200 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>52.4 S</td>
<td>2.5 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>500 ms</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>2.2 M</td>
<td>1.0 KHz</td>
<td>Y</td>
</tr>
<tr>
<td>1 s</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>4.3 M</td>
<td>500 Hz</td>
<td>Y</td>
</tr>
<tr>
<td>2 s</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>8.7 M</td>
<td>250 Hz</td>
<td>Y</td>
</tr>
<tr>
<td>5 s</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>21.8 M</td>
<td>100 Hz</td>
<td>Y</td>
</tr>
<tr>
<td>10 s</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>43.7 M</td>
<td>50 Hz</td>
<td>Y</td>
</tr>
<tr>
<td>20 s</td>
<td>Ch 1,2,3,4</td>
<td>500</td>
<td>131,070</td>
<td>262</td>
<td>87.3 M</td>
<td>25 Hz</td>
<td>Y</td>
</tr>
</tbody>
</table>

* See Safety Warnings in VERUS Edge user manual

1 - Total time is equal to the sweep times the number of frames.

2 - Actual sample rate for sweeps 50-200 µs. Effective sample rate for sweeps 500 µs and longer. The effective sample rate is based on the number of sample points stored to the data buffer memory over the selected time sweep. On all sweeps 500 µs and longer, the ADC samples at 1.5 MHz per channel regardless of sweep. The number of sample points is greater than the number of points needed to complete a screen. Only enough points to complete a screen are selected to be stored to the data buffer. This results in the effective sample rate being lower than the actual sample rate of 1.5MHz.

3 - When Peak Detect is on, all samples are evaluated. The points stored to the buffer are intelligently selected to capture fast events that might be missed at slower effective sample rates. Peak Detect will capture fast changes at an effective sample rate of 1.5MHz.