HONEYWELL
VERSATILIS

Flexible, Intrinsically Safe Handheld Configurator Solution

Honeywell Versatilis™ is next generation smart and flexible solution for configuring, calibrating, monitoring and diagnosing universal HART, Modbus* and Honeywell DE devices.

- Intrinsically safe, certified for hazardous location use
- State-of-the-art intrinsically safe tablet, contemporary smart App for configuration and diagnostics
- Safe and easy operations as devices can be securely communicated with from a distance
- Single solution to communicate with HART, Modbus, DE and Wireless devices
- Advanced Instrument Asset Management features such as Offline Configurations, History
- Pre-loaded with required software and all registered HART DD files
- Open platform for other secure productivity and mobility applications
- Simple, easy and free upgrades to new DD files as a user function
- Commercial off-the-shelf batteries for the communication interface
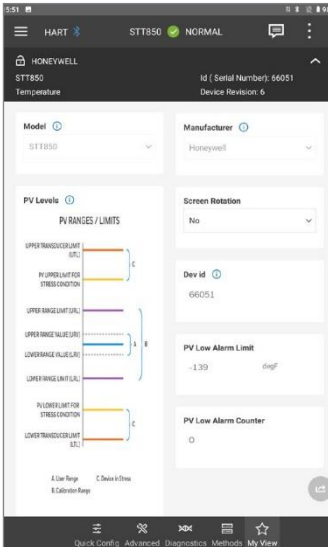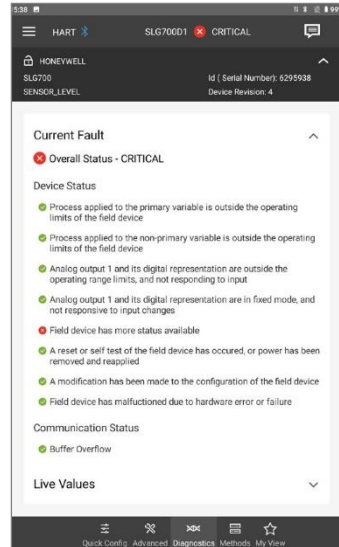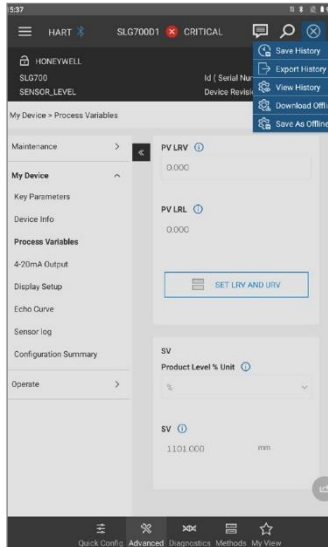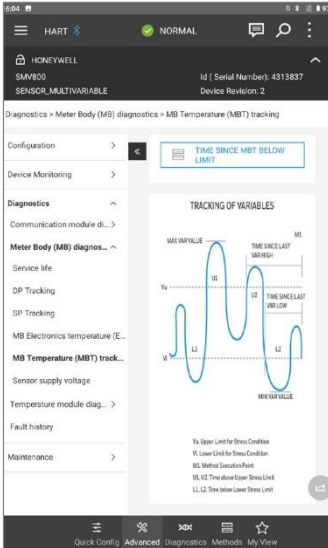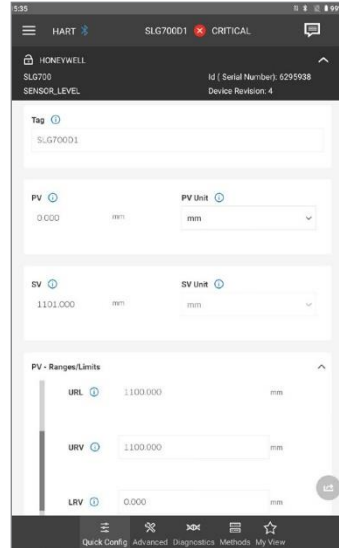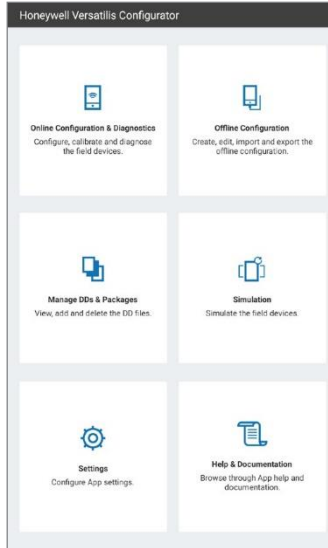- Convenient and bundled accessories

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SPECIFICATIONS

HONEYWELL VERSATILIS ADVANCED COMMUNICATION INTERFACE

Field Communication Protocols	Highway Addressable Remote Transducer (HART), HART FSK Compliant Honeywell Digitally Enhanced (DE) 4 Byte, 6 Byte, Analog Modbus Remote Terminal Unit (RTU) RS-485, 1,200 to 57.6K baud, 2-wire or 3-wire
Field Connection Terminals	Standard 4mm Banana Jacks. Leads with spring hooks included.
Connection Protocols	Bluetooth 4.0 dual mode BTC & BLE Serial Port Profile (SPP) supported with BTC USB 2.0 with USB-C port
Bluetooth Range	Up to 100 meters Integrated 2.0 dBi omnidirectional antenna
Control Panel	Power and mode selection button LED indicators for Mode, Low Battery, Power, and Bluetooth status
Mounting	Belt Clip & Hanging strap included
Temperature Range	Operating: -20ºC to 50ºC Storage: -20ºC to 60ºC
Dimensions	110 x 115 x 35 mm (4.3 x 4.5 x 1.4 inches) without belt clip or leads
Operating Humidity Range	<90% R.H. Non-Condensing
IP Rating	IP 64
Hazardous Locations Certification	CSA (Canada & USA), IECEx, and ATEX VCON1: AEx/Ex ia [ia Ga][ia Da IIIC] IIC T4...T3 Ga VCON1: Class I Div 1 Groups A,B,C,D; T4...T3 VCON2: AEx/Ex ic IIC T4...T3 Gc VCON2: Class I Div 2 Groups A,B,C,D with NIFW; T4...T3
Other Approvals	Radio: FCC Part 15 Class B, IC ICES-003, RED 2014/53/EU, Bluetooth SIG Qualified EMC: EN 61326-1:2013 Table 2, EN 301 489-1 V2.2.0, EN 301 489-17 V3.2.0 Safety: IEC/EN 61010-1 Edition 3
Power Source	3 x AA 1.5V Alkaline or 3 x AA 1.2V NiMH batteries 2 sets of rechargeable NiMH batteries are included Or USB connection (5.0 Vdc) For hazardous locations only the specified batteries are allowed: Energizer NH15-2300 AA NiMH 1.2V Duracell DX1500 AA NiMH 1.2V Energizer E91 AA Alkaline 1.5V Duracell MN1500 AA Alkaline 1.5V Alkaline batteries support Hazloc temperature class T4 NiMH batteries support Hazloc temperature class T3
Battery Charger	Included battery charger for AA NiMH cells with universal power plugs
Battery Life	Up to 40 hours operating HART Up to 30 hours operating DE Up to 3 months sleep Auto sleep after no activity for 20 minutes (customizable time)
Static Control	External materials are anti-static (surface resistance verified) including the enclosure, user control panel, label, hanging strap and carrying case.
Isolation	1500V All field communication connections (3 Banana Jacks) are galvanically isolated from the batteries and USB port. Batteries are not galvanically isolated from the USB port.

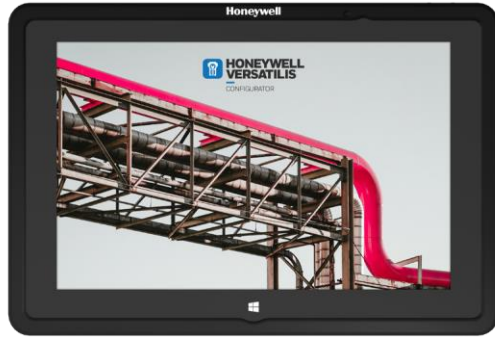## HONEYWELL VERSATILIS CONFIGURATOR SMART APP

Operating System	Windows 11 / Android 8.0 or above
Processor & Speed	ARM V7 or higher if Android, 1.6 GHz or faster
RAM	2 GB (Minimum), 4GB (Recommended)
Storage Space	4 GB (Minimum), Higher storage recommended for file related features
Resolution	768 x 1024 (Minimum) 1200 x 1920 (Recommended)
Screen size	8" (Optimum)

	C1D1, Zone 1 Tablet	C1D2, Zone 2 Tablet
Operating System	Windows 11 Pro	Android 10	Android 10
Display	10.1" AHVA Full HD Plus Resolution 1920 x 1200; Aspect ratio 16:10 Capacitive touch: Multi-touch Contrast 800:1 Viewing angle (up/down, left/right) 170°	8" Display (1200 * 1920 pixels) RugDisplay-Glass multi capacitive touchscreen	8" multi capacitive touchscreen with a resolution of 1200 x 1920 pixel RugDisplay-Glass
Battery	8700mAh	8400 mAh	8400 mAh
Dimensions	273 x 185 x 16.8 mm (10.75 x 7.28 x 0.66 in)	237 x 156 x 22 mm (9.33 x 6.14 x 0.87 in)	237 x 156 x 22 mm (9.33 x 6.14 x 0.87 in)
Weight	980 g (2.16 lbs) approx.	890 g (1.96 lbs) approx.	890 g (1.96 lbs) approx.
Storage/RAM	128GB storage / 4GB RAM / MicroSDXC™ card slot (supports up to 2TB)	64 GB Storage (54 GB Accessible) / 4 GB RAM MicroSD-card slot up to 128 GB	64 GB Storage (54 GB Accessible) / 4 GB RAM MicroSD-card slot up to 128 GB
Wireless and Connectivity	Wi-Fi /IEEE 802.11 a/b/g/n dual band (2.4GHz and 5GHz) Bluetooth® 4.0 Low Energy NFC & RFID (HF: 13.56MHz) Intel Wireless Display	WiFi /IEEE 802.11 a/b/g/n/ac/e/k/r/h dual band (2.4 GHz and 5GHz) with hotspot Bluetooth® 5 Low Energy NFC	WiFi /IEEE 802.11 a/b/g/n/ac/e/k/r/h dual band (2.4 GHz and 5GHz) with hotspot Bluetooth® 5 Low Energy NFC
Processor	Intel® Atom Z3795 Quad-Core processor, 2.39GHz (Burst Frequency), 1.69 GHz = Base Frequency)	Qualcomm Snapdragon SDM660 Octa-Core Kryo Gold-Quad cores 2.2GHz Kryo Silver-Quad cores 1.8GHz	Qualcomm Snapdragon SDM660 Octa-Core Kryo Gold-Quad cores 2.2GHz Kryo Silver-Quad cores 1.8GHz

Operating System	Windows 11 Pro	Android 10	Android 10
Safety Certifications	UL913, 5th Edition, CAN/CSA-22.2 Part 157 Class I, II, III Div 1 Group A-G T4, Tamb -10°C...+50°, IP65 Class I, Zone 0 Group IIC T4, Tamb -10°C...+50°C, IP65 IECEx 60079-0 & -11: Ex ib IIC T4 Gb, -10°C ≤ Tamb ≤ +50°C Ex ib IIIC T135°C Db IP6X, -10°C ≤ Tamb ≤ +50°C Ex ib I Mb, -10°C ≤ Tamb ≤ +50°C ATEX 60079-0 & -11: Ex II 2G Ex ib IIC T4 Gb, -10°C ≤ Tamb ≤ +50°C Ex II 2D Ex ib IIIC T135°C Db IP6X, -10°C ≤ Tamb ≤ +50°C Ex I M2 Ex ib I Mb, -10°C ≤ Tamb ≤ +50°C	ATEX: EX-Zone 1/21 II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db IP6X IECEx: Ex-Zone 1/21 Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP6X Approval applied for North America: Class I, II, III Division 1 Groups A B C D E F G, T4 Intrinsically Safe Approval applied for Russia: 1Ex ib IIC T4 Gb X Ex ib IIIC T135°C Db X IP64 IECEx Mining Ex ia I Ma IP64 INMETRO (approved for Brazil) Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP6X KCs (approved for Korea) Ex ib IIC T4 Ex ib IIIC T135°C JNIOSH (approved for Japan) Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP6X SANS (approved for South Africa) Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP6X SANS Mining (approved for South Africa) Ex ia I Ma IP64	ATEX zone 2/22 II 3G Ex ic IIC T4 Gc IP64 II 3D Ex ic IIIC T135°C Dc IP6X IECEx zone 2/22 Ex ic IIC T4 Gc IP6X Ex ic IIIC T135°C Dc IP6X CSA (approved for North America) Class I Division 2, Groups A, B, C, D, T4 Class II Division 2, Groups F, G, T135 ° C Class III Division 2
IP Rating	IP 65	IP 68	IP 68
Ports	Full-size USB 2.0 USB 3.0, Ethernet, and HDMI on docking station Micro USB for charging Charging pads (12V) Headset jack	Magnetic charging port to charge device with included USB cable, micro USB Type C to charge and connect the device to included USB cable, earphone jack, docking station connector	Magnetic charging port to charge device with included USB cable, micro USB Type C to charge and connect the device to included USB cable, earphone jack, docking station connector
Cameras, Video & Audio	8.0 megapixel autofocus rear-facing camera with flash, full HD video 2.0 megapixel front-facing camera full HD video Front and rear microphones Stereo speakers	13 MP AF rear camera and 5 MP front camera	13 MP rear camera and 5 MP front camera
Sensors	Ambient light sensor, Accelerometer, Gyroscope, E-Compass, SAR proximity sensor	Location, acceleration, gravity, linear acceleration, gyroscope, ambient light, temperature and humidity, magnetic, proximity and pressure sensor.	proximity sensor, light sensor, magnetic sensor G-sensor, gyroscope, temperature and humidity.
Security	Silicon Level, Intel Security (SMEP, PPDRNG, fTPM, and TPM 2.0) Software Level Device Control Windows 10 Mobile Device Management BitLocker"	Fully compliant with the requirements for Android Enterprise Recommended Rugged Devices.	Fully compliant with the requirements for Android Enterprise Recommended Rugged Devices.
Location	GPS / GLONASS (cold start <30s, warm start < 5s)	GPS, A-GPS, GLONASS, A-GLONASS, Beidou, Galileo	GPS, A-GPS, GLONASS, Beidou, Galileo

HONEYWELL VERSATILIS CONFIGURATOR

Model Selection Guide
34-ST-16-151   Issue 05

Honeywell

INSTRUCTIONS

INSTRUCTIONS

Select the desired key number. The arrow to the right marks the selection available.
A (•) indicates availability. Letter (a) refers to restrictions highlighted in the restrictions table. Tables are delimited with dashes.
Make one selection from Table I. Select Table II options as desired.

Key Number		I		II		III		IV		V		VI
VCON _	-	_	-	__	-	_	-	__	-	_	-	____

KEY NUMBER

DESCRIPTION	Selection	Availability	
Honeywell Versatilis Configurator Zone 0/1 & Class I Div 1	VCON1	↓	
Honeywell Versatilis Configurator Zone 2 & Class I Div 2	VCON2		↓

TABLE I – SELECT PACKAGE OR COMM INTERFACE ONLY			
Honeywell Versatilis Configurator Package Comm Interface HART + DE Protocol with battery charger, transmitter connector cable, hanging strap and leather carrying case + 2 sets of rechargeable batteries + Mobility and User Interface Device with Honeywell Versatilis Configurator App and Honeywell Versatilis Lifecycle App	1	•	•
Honeywell Versatilis Comm Interface ONLY with HART + DE Protocol with battery charger, transmitter connector cable, hanging strap + 2 sets of rechargeable batteries. Select additional protocol from Table I and Country and Certifications from Table 2. You CANNOT select a Mobility and User Interface Device with this selection.	2	•	•

TABLE II – ADDITIONAL PROTOCOL SELECTION			
No Additional Protocol	00	•	•

TABLE III – REGION AND CERTIFICATION				
CSA / CGS[1] (Intrinsically Safe)	USA / Other[2]	1	•	•
CSA / CGS[1] (Intrinsically Safe)	Canada	2	•	•
ATEX / IECEx (Intrinsically Safe)	Europe / Other[2]	3	•	•
IECEx (Intrinsically Safe)	"Australia, New Zealand"	D	•	•
ATEX (Intrinsically Safe)	Switzerland	E	•	•
ATEX (Intrinsically Safe)	UK	F	•	•

[1] If this is selected along with Table IV, options W1 or W2, the Comm Interface will be CSA and the User Interface and Mobility Device will be CGS marked.

[2] Select this option for countries requiring IECEx certification and not listed as explicit option.

TABLE IV – USER INTERFACE AND MOBILITY DEVICE			
None (for Comm Interface ONLY configurations)	00	k	k
WINDOWS 10 Operating System			
Windows 10, 10" display device with docking station, WiFi, Stylus	W1	d	
Upgrade with Zone 1 / Class I Div 1 device in VCON2 Package	W2		d
Android Operating System			
Android 8" display device with charger, WiFi, Stylus	A1	d	d
Upgrade with Zone1 / Class 1 Div 1 device in VCON2 Package	A2		d

TABLE V – WARRANTY			
Standard Warranty (1 Year)**	0	•	•
Optional Warranty (3 Years) - Honeywell Versatilis Package with Windows Mobility Device	1	f	f
Optional Warranty (3 Years) - Honeywell Versatilis Package with Android Mobility Device	2	g	g

** Android Mobility devices come with standard warranty of 2 years

TABLE VI – FACTORY USE			
Factory Use	0000	•	•

MODEL RESTRICTIONS				
Restriction Letter	Available only with		Not Available with	
	Table	Selection	Table	Selection
d			I	2
f	IV	W1, W2	I	2
g	IV	A1, A2	I	2
k	I	2		

SPARES AND ACCESSORIES	KIT NUMBER
Windows Tablet + Docking Station (Zone 1 / C1D1) (USA)	50161060-501
Windows Tablet + Docking Station (Zone 1 / C1D1) (Canada)	50161060-502
Windows Tablet + Docking Station (Zone 1 / C1D1) (EU)	50161060-503
Windows Tablet + Docking Station (Zone 1 / C1D1) (UK)	50161060-510
Windows Tablet + Docking Station (Zone 1 / C1D1) (Australia)	50161060-507
Android Tablet + Charger (Zone 1 / C1D1) (USA, Canada)	50164367-501
Android Tablet + Charger (Zone 1 / C1D1) (Europe)	50164367-502
Android Tablet + Charger (Zone 1 / C1D1) (UK)	50164367-502
Android Tablet + Charger (Zone 1 / C1D1) (Australia, New Zealand)	50164367-506
Android Tablet + Charger (Zone 1 / C1D1) (Switzerland)	50164367-502
Android Tablet + Charger (Zone 2 / C1D2) (USA, Canada)	50164367-511
Android Tablet + Charger (Zone 2 / C1D2) (Europe)	50164367-510
Android Tablet + Charger (Zone 2 / C1D2) (Australia, New Zealand)	50164367-512
Android Tablet + Charger (Zone 2 / C1D2) (Switzerland)	50164367-510
Android Tablet + Charger (Zone 2 / C1D2) (UK)	50164367-510
Stylus	50161060-509
Transmitter Connector Cable set for VCON1	50164368-501
Transmitter Connector Cable set for VCON2	50164368-502
Battery Charger for Comm Interface	50159132-501
Two Sets of Rechargeable Batteries	50164369-501
Hanging Strap for Comm Interface	50159468-501
Leather Carrying Case	50159127-501
USB Cable for the Comm Interface	50164826-501

Note P - For part number pricing please refer to Web Channel.

The minimum value of orders acceptable for Honeywell is USD 500. Handling fee is the amount of the difference between USD 500 and the actual purchase price.

For more information
To learn more about Honeywell's products, visit www.honeywellprocess.com or contact your Honeywell account manager.

Honeywell Process Solutions

2101 City West Blvd, Houston, TX 77042

Honeywell House, Skimped Hill Lane
Bracknell, Berkshire, England RG12 1EB UK

Building #1, 555 Huanke Road,
Zhangjiang Hi-Tech Industrial Park,
Pudong New Area, Shanghai 201203

process.honeywell.com

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