

# 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



**Honeywell**

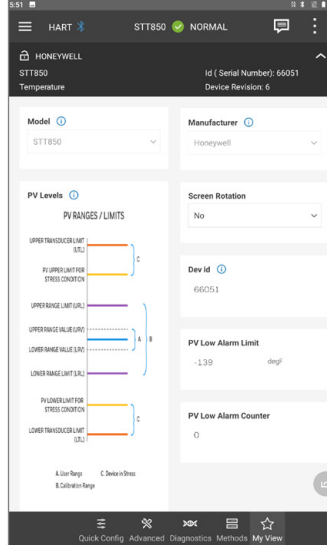
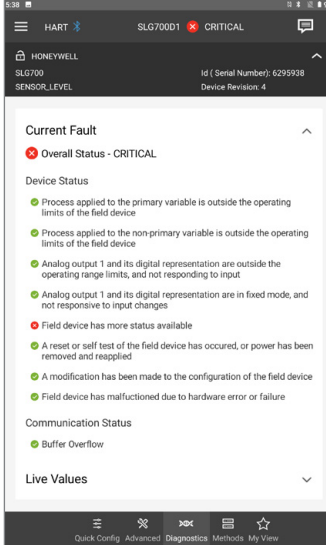
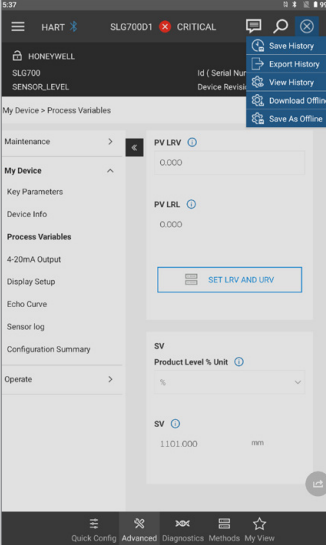
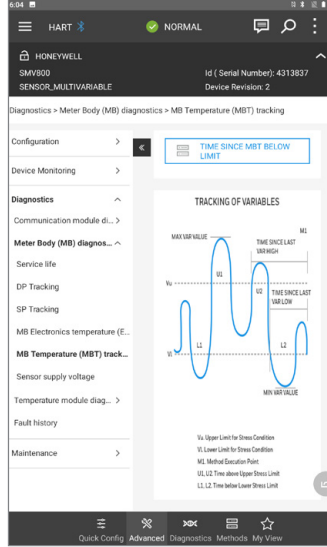
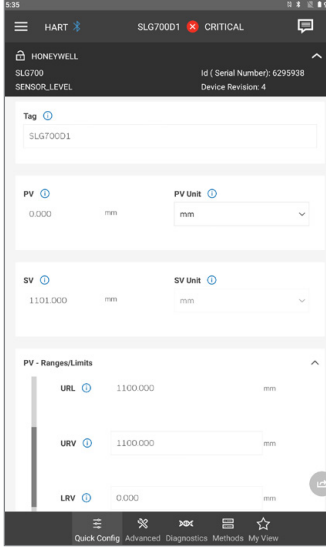
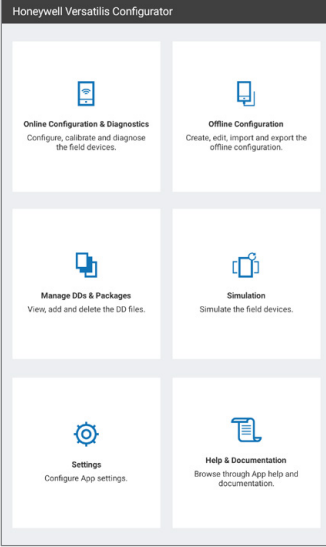
# SPECIFICATIONS

HONEYWELL VERSATILIS ADVANCED COMMUNICATION INTERFACE	
<b>Field Communication Protocols</b>	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
<b>Field Connection Terminals</b>	Standard 4mm Banana Jacks. Leads with spring hooks included.
<b>Connection Protocols</b>	Bluetooth 4.0 dual mode BTC & BLE Serial Port Profile (SPP) supported with BTC USB 2.0 with USB-C port
<b>Bluetooth Range</b>	Up to 100 meters Integrated 2.0 dBi omnidirectional antenna
<b>Control Panel</b>	Power and mode selection button LED indicators for Mode, Low Battery, Power, and Bluetooth status
<b>Mounting</b>	Belt Clip & Hanging strap included
<b>Temperature Range</b>	Operating: -20°C to 50°C Storage: -20°C to 60°C
<b>Dimensions</b>	110 x 115 x 35 mm (4.3 x 4.5 x 1.4 inches) without belt clip or leads
<b>Operating Humidity Range</b>	<90% R.H. Non-Condensing
<b>IP Rating</b>	IP 64
<b>Hazardous Locations Certification</b>	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
<b>Other Approvals</b>	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
<b>Power Source</b>	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
<b>Battery Charger</b>	Included battery charger for AA NiMH cells with universal power plugs
<b>Battery Life</b>	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)
<b>Static Control</b>	External materials are anti-static (surface resistance verified) including the enclosure, user control panel, label, hanging strap and carrying case.
<b>Isolation</b>	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

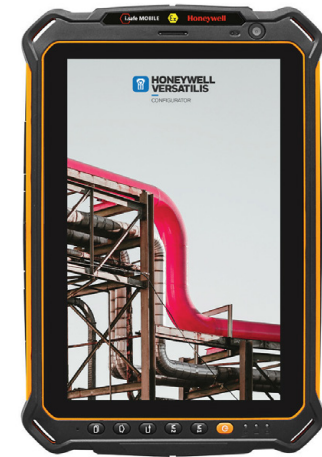
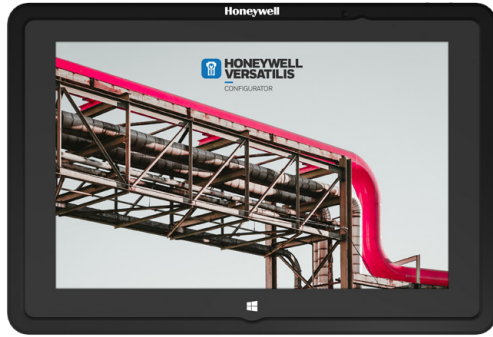
<b>Operating System</b>	Windows 10 / Android 8.0 or above
<b>Processor &amp; Speed</b>	ARM V7 or higher if Android, 1.6 GHz or faster
<b>RAM</b>	2 GB (Minimum), 4GB (Recommended)
<b>Storage Space</b>	4 GB (Minimum), Higher storage recommended for file related features
<b>Resolution</b>	768 x 1024 (Minimum) 1200 x 1920 (Recommended)
<b>Screen size</b>	8" (Optimum)



**USER INTERFACE AND MOBILITY DEVICE**

**C1D1, Zone 1 Tablet**

**C1D2, Zone 2 Tablet**



<b>Operating System</b>	Windows 10 Pro	Android 10	Android 10
<b>Display</b>	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
<b>Battery</b>	8700mAh	8400 mAh	8400 mAh
<b>Dimensions</b>	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)
<b>Weight</b>	980 g (2.16 lbs) approx.	890 g (1.96 lbs) approx.	890 g (1.96 lbs) approx.
<b>Storage/RAM</b>	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
<b>Wireless and Connectivity</b>	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
<b>Processor</b>	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

<b>Operating System</b>	Windows 10 Pro	Android 10	Android 10
<b>Safety Certifications</b>	<p>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 &amp; -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 &amp; -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</p>	<p>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 JNIOH  (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</p>	<p>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</p>
<b>IP Rating</b>	IP 65	IP 68	IP 68
<b>Ports</b>	<p>Full-size USB 2.0  USB 3.0, Ethernet, and HDMI on docking station  Micro USB for charging  Charging pads (12V)  Headset jack</p>	<p>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</p>	<p>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</p>
<b>Cameras, Video &amp; Audio</b>	<p>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</p>	<p>13 MP AF rear camera and 5 MP front camera</p>	<p>13 MP rear camera and 5 MP front camera</p>
<b>Sensors</b>	<p>Ambient light sensor, Accelerometer, Gyroscope, E-Compass,  SAR proximity sensor</p>	<p>Location, acceleration, gravity, linear acceleration,  gyroscope, ambient light, temperature and humidity,  magnetic, proximity and pressure sensor.</p>	<p>proximity sensor, light sensor, magnetic sensor  G-sensor, gyroscope, temperature and humidity.</p>
<b>Security</b>	<p>Silicon Level, Intel Security (SMEP, PPDRNG, fTPM,  and TPM 2.0)  Software Level  Device Control  Windows 10 Mobile Device Management  BitLocker"</p>	<p>Fully compliant with the requirements for Android Enterprise  Recommended Rugged Devices.</p>	<p>Fully compliant with the requirements for Android Enterprise  Recommended Rugged Devices.</p>
<b>Location</b>	<p>GPS / GLONASS (cold start &lt;30s, warm start &lt; 5s)</p>	<p>GPS, A-GPS, GLONASS, A-GLONASS, Beidou, Galileo</p>	<p>GPS, A-GPS, GLONASS, Beidou, Galileo</p>

# HONEYWELL VERSATILIS CONFIGURATOR

## Model Selection Guide

34-ST-16-151

Issue 8



## 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.	2	•	•

TABLE II - ADDITIONAL PROTOCOL SELECTION			
No Additional Protocol	00	•	•
Modbus	MB		•

TABLE III - REGION AND CERTIFICATION				
CSA / CGS <sup>1</sup> (Intrinsically Safe)	USA / Other <sup>2</sup>	1	•	•
CSA / CGS <sup>1</sup> (Intrinsically Safe)	Canada	2	•	•
ATEX / IECEx (Intrinsically Safe)	Europe / Other <sup>2</sup>	3	•	•
KOSHA (Intrinsically Safe)	South Korea	9	•	a
IECEx (Intrinsically Safe)	Australia, New Zealand	D	•	•
ATEX (Intrinsically Safe)	Switzerland	E	•	•
UKCA (Intrinsically Safe)	UK	F	•	•

<sup>1</sup> 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.  
<sup>2</sup> 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	c	
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
a	IV	A2		
c			I	2
			III	9
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)	50164367-506
Android Tablet + Charger (Zone 1/ C1D1) (Australia, New Zealand)	50164367-506
Android Tablet + Charger (Zone 1/ C1D1) (South Korea)	50164367-509
Android Tablet + Charger (Zone 1/ C1D1) (Switzerland)	50164367-506
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)	50164367-512
Android Tablet + Charger (Zone 2/ C1D2) (UK)	50164367-512
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
USB-C to USB - C Cable for the Comm Interface (for Android Tablets)	50181465-501
Modbus License (VCON2 only)	50164370-501

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.

## Honeywell Process Solutions

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## For more information

To learn more about Honeywell's products, visit [www.honeywellprocess.com](http://www.honeywellprocess.com) or contact your Honeywell account manager.

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**THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT**

**Honeywell**