

# DiagnosTics Tools

for All Makes of agricultural machinery

Including: • John Deere • New Holland • Massey Ferguson • Case • Fendt • Deutz-Fahr  
• Claas • McCormick • Landini • Fiat • JCB and many others...



# Leading the way in All Makes

## NAVIGATOR TXT Agri

Vapormatic has partnered with **TEXA**, the world leading company for multi-brand diagnostics, to offer the first unit specifically dedicated to the agricultural market.

Using the innovative NAVIGATOR TXT and the new IDC4 Agri dedicated software, every workshop is now able to access different vehicle manufacturer's electronic systems to carry out diagnostic checks. This single device will enable engineers to test electronic systems on tractors and combine harvesters from a host of manufacturers.

NAVIGATOR TXT is the interface equipment which connects directly to the diagnostic socket within the vehicle. This equipment communicates wirelessly via Bluetooth technology to any Windows PC or laptop\*, with the IDC4 Agri software operating system and vehicle database software installed.

A series of specific diagnostic cables allow connection to different vehicle makes.

27 manufacturers including:

**John Deere, New Holland, Massey Ferguson, Case, Fendt, Krone, Steyr, Same, Deutz-Fahr, Class, Lamborghini, Hurlimann, Landini, Industrial and McCormick.**



**TEXA** A world leading name in multi-brand diagnostics



OEM	Engine Diesel Injection	Trans	Body Computer Or Comfort System	Instrumentation Or Multimeter Display	Trac. System LP	Auto. Steering LP	Electronic Control System	...	...
CASE IH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NEW HOLLAND AGRICULTURE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
STEYR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
JOHN DEERE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MASSEY FERGUSON	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CLAAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KAMAZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MCCORMICK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

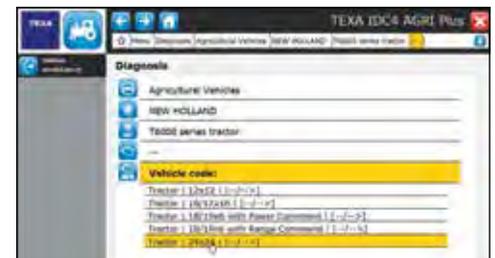
**IDC4 Agri software allows access to the following<sup>+</sup>:**

- Engine management • Transmission
- Suspended front axle • Electronic rear suspension
- Electronic front suspension • Front PTO
- Rear PTO • Body computer • Air conditioning

<sup>+</sup>subject to make and model

\*Suitable for XP, Vista or Windows 7. Intel and Pentium processors. Minimum of 2GB RAM, 2 USB ports, a DVD drive (internal or external) and 35GB hard drive.

# diagnostics



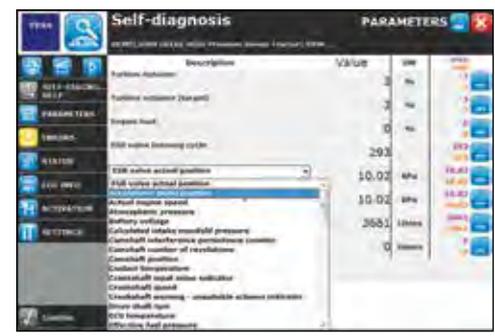
By selecting the vehicle make, model and engine; the IDC4 Agri allows access to the active functions for that specific vehicle.

## IDC4 Agri software

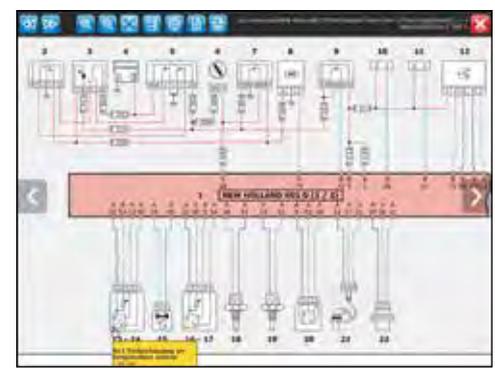
Developed with practicality and simplicity in mind, this software enables the user to easily select the make and model of vehicle and to access controllers that give the critical information needed for fault diagnosis.

IDC4 Agri software is structured in a way that not only allows diagnosis to be carried out on the main electronic systems, but also includes a substantial amount of additional data and technical information, including electrical wiring diagrams and calibration cards.

Also included is a structured customer management system that allows you to store and record vehicle information such as; live data, error codes, repairs, parts used and oscilloscope readings.



The parameters page views the values in either numerical or graphical format.



The electrical wiring diagrams include the generic description of each associated device. By clicking on the dedicated icon, the systems specifics can be accessed.

## Key features

- Multi-brand and multi-vehicle PC fault diagnosis
- Real time controller information
- Calibration capabilities (on selected models)
- Wireless Bluetooth or USB cable connection
- IDC4 Agri software updated via internet
- Fully compatible with cables used for previous diagnostics units
- Robust construction
- Integrated customer management facility
- 2 year warranty



## Diagnostic kit



**TXT navigator.** Includes hardware, Agri software, Bluetooth drivers, Hasp key, standard automotive cable and instructions - Part no. **VLC5901**

### Technical specifications:

**Size:** 160 x 170 x 55mm  
**Weight:** 1 Kg per NAVIGATOR TXT  
**Processor:** INTEL PXA255 400MHz.  
**Internal memory:** 64 Mb SDRAM, 64 Mb FLASH  
**External power supply:** 8/32 Volt.  
**12V consumption:** typical 0.25A  
**24V consumption:** typical 0.18A  
**Power supply connection:** 4 pole mini-din power or via diagnostic cable  
**USB connections:** 1 USB 2.0 device connection, 1 USB Host connection, with the possibility of SW update via USB storage hasp.  
**Wireless PC connection:** Bluetooth 2.0  
**Electronic commuter:** 13 line K E 13 line L  
**Diagnostic connector:** AMP series CPC2 28 pole male contacts  
**Functional temperature:** +0°C/+45°C.  
**Storage temperature:** -20°C/+60°C.  
**Functional humidity:** 10% -80% with no condensation

**Agri - 12 months annual subscription.** Updates download from the internet, subscription is automatically charged every year; notification in writing for cancellation - Part no. **VLC5903**

**Agri - 12 months annual help line.** Subscription is automatically charged every year; notification in writing for cancellation - Part no. **VLC5904**

### Complete AGRI package - Part no. **VLC5900**

Includes Diagnostics kit (VLC5901), cable kit (VLC5905), 12 months annual subscription (VLC5903) and 12 months annual help line (VLC5904).

**TIER III/IV engine diagnostics courses available!**  
 Learn how you can get more value from these units

Ask your stockist for details.

## Cables

Individual cables	Supplied in <b>VLC5905</b>	Part no.
New Holland	✓	<b>VLC5913</b>
CNH Group	✓	<b>VLC5914</b>
Iveco 30 pin		<b>VLC5915</b>
9 pin Deutz, CH, JD, CNH Group, Landini, McCormick	✓	<b>VLC5916</b>
9 pin Deutz/Fendt injection (T27)		<b>VLC5917</b>
Agri Caterpillar/ Perkins 9 pin (T38)		<b>VLC5918</b>
Fendt (T33)	✓	<b>VLC5919</b>
Valtra (T40)	✓	<b>VLC5920</b>
Massey Ferguson (T39)	✓	<b>VLC5921</b>
Landini Transmission (T37)		<b>VLC5922</b>
Same, Deutz, Claas (T32)	✓	<b>VLC5923</b>
<b>Cable storage case</b>	✓	<b>VLC5940</b>

### Cable kit

All the cables needed to cover most makes of tractor, this kit is supplied in a sturdy protective case - Part no. **VLC5905**

See table for complete list of cables.



Truck and car diagnostics software also available. Access to many manufacturers for minimal cost.

# Six tools in one...

**UNIProbe offers a complete solution for electronic system testing.**

*Featuring six different instruments...*



Part no.  
**VLC5911**

  <p><b>Oscilloscope</b> with four independent analogue channels, complete with SIV function for interpreting the measure signal (with IDC4 software).</p>	  <p><b>Multimeter</b> for voltage, resistance and current measurements.</p>
  <p><b>TNET</b> for electrical testing and analysis of automotive communication networks (CAN, VAN, LIN).</p>	  <p><b>Battery probe</b> for testing the battery and analysing and checking the entire starting and charging system. Sold separately - part no. VLC5912</p>
  <p><b>Signal generator</b> to simulate the pulses generated by sensors and reproduce the commands generated by control units. Sold separately.</p>	  <p><b>Pressure tester</b> for checking fuel and turbocompressor pressure on all vehicles. Sold separately.</p>

The UNIProbe analogue and digital measurements system represents the best and most complete solution for conventional electronic system testing.

The UNIProbe is a complete solution, and is equally effective on cars, motorcycles, trucks, trailers, buses, coaches and agricultural vehicles. In fact, any vehicle with electronic systems.

The UNIProbe can be used with all the TEXA diagnostic units or with any PC. It operates without the need for cables to link it to the display thanks to wireless Bluetooth communication, and built-in 7.4V lithium battery that ensures over 4 hours continuous use. You can therefore work freely around the vehicle and within the workshop.

When used with the IDC4 software, you are provided with real time data analysis and full evaluation of information. Or, you can use the Measurement System Software (MSS) provided to operate the UNIProbe's six functions independently.

## Technical specifications for VLC5911

<b>Power supply:</b>	8-32V DC
<b>Charge options:</b>	10-32V DC 240V mains supply
<b>Battery life:</b>	up to 4 hours
<b>Maximum current draw:</b>	1.2A at 12V
<b>Operating temperature:</b>	0/+45°C
<b>Storage temperature:</b>	-20/+60°C
<b>Operating relative humidity:</b>	10%-80% non-condensing

### Oscilloscope

**Channels:** 4 independent input channels with analogue with analogue bandwidth of 10MHz (-3dB). Sampling rate 20M samples/sec at 10 bit with 1 or 2 channels active, 10 M samples/sec at 10 bit with 3 or 4 channels active.

**Max input voltage:** ± Vmax, AC or DC coupling.

**Vertical scale for each channel:** from 20mV/Div to 50V/Div

**Horizontal scale:** from 500ns/Div to 5s/Div

**Trigger:** source CH1, CH2, CH3, CH4, selectable trigger delay

**Display mode:** normal, auto, single shot

**Measurement of following values:** frequency, period, RMS, Vmax, Vmin

### Multimeter

Galvanic insulation up to 1kV for safe measurement

### Voltage measurements

Maximum measurable voltage ±400 VDC, input impedance 4.7MΩ, 3 digit resolution. Three value ranges, with automatic or manual scale selection: 0-6V, 6-60V, 60-400V AC/DC

### Resistance measurements

Three value ranges, with automatic or manual scale selection: 0-1000Ω, 1-100Ω, 100-10Ω, resolution: 3 digits

### Current measurements

Current measurements performed by connecting the TEXA "BICOR" series probes to the multimeter sockets, 3-1200A Continuity test, diode test

### TNET function

Troubleshooting on CAN ISO11898, ISO11519 networks

### Battery probe function

Troubleshooting on battery test starting systems.

Voltage measurements: DC up to 50VDC

# A complete diagnostics solution...

## NAVIGATOR TXT -

*access diagnostic information from systems including:*

engine management, transmission, suspended front axle, electronic rear suspension, electronic front suspension, front PTO, rear PTO, body computer, air conditioning etc.



Part no. **VLC5901**

## Complete cable kit



Part no. **VLC5905**

Cables for all major OEM's including John Deere, New Holland, Massey Ferguson, Case, Fendt, Krone, Steyr, Same, Deutz-Fahr, Class, Lamborghini, Hurlimann, Landini, Industrial and McCormick.

## UNIProbe -

*comprehensive electronic systems testing in one tool.*

- Oscilloscope
- Battery probe
- Signal generator
- TNET
- Multimeter
- Pressure tester

Part no. **VLC5911**



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