

## Features & Benefits of KTS 560 / 590

- ▶ Comprehensive fault diagnosis on vehicle
- ▶ Guided troubleshooting instructions (Subscribe: Service Information Systems)
- ▶ Wireless Bluetooth Communication
- ▶ Robust design to suit workshop environment
- ▶ Works with Windows-based PC with licenced version of Bosch ESI[tronic] 2.0
- ▶ Built-in multimeter for convenience to measure voltage, resistance, and current
- ▶ Visual communication status indicator (LED)
- ▶ Productive investment to maximize your workshop potential

Bosch offers the latest technology, cost effective, user-friendly solution to test complex vehicle electronics.

## Order a solution

### Order number

**KTS 560: 0 684 400 560**  
**KTS 590: 0 684 400 590**

Scope of delivery includes diagnostic device and the following accessories:

- ▶ OBD connection cable (1.5 m)
- ▶ Power supply unit
- ▶ Measuring accessories
- ▶ USB connecting cable (3 m)
- ▶ Bluetooth® USB adaptor
- ▶ Case

## Driven by efficiency

Bosch technologies are used worldwide in almost all vehicles. We have dedicated over 125 years of pioneering spirit and expertise in research and manufacturing of mobility solutions that make driving safer and efficient. We continue to work on our unique combination of parts, diagnostic & workshop solutions and services. Bosch Automotive Aftermarket division is responsible for the supply, sales, and distribution of this combination.

Automotive Service Solutions (AS) is a part of the Automotive Aftermarket division, offering state-of-the-art testing and repair equipment, diagnostic solutions, training programs, technical after-sales service, and technical information to support workshops of any size and any concept.

Our innovative technology and automotive competency helps develop solutions that address the service needs of new-generation, electronically controlled vehicles. Whether it is OEM service network or independent garage, our wide range of workshop equipment, diagnostic software, technical support, connected vehicle solutions, augmented reality solutions, and technical information services, can all be customized to suit your specific requirements.

- ▶ Solutions for efficient vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ The world's most comprehensive range of new and replacement parts
- ▶ Large network of wholesale customers, for quick and reliable parts supply
- ▶ Competent hotline support
- ▶ Comprehensive educational and training offers
- ▶ Targeted sales and marketing support

Find out more at:  
[www.boschworkshopworld.in](http://www.boschworkshopworld.in)

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 **BOSCH**  
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Driven by  
**SOLUTIONS**

**KTS 560 / KTS 590**

ECU diagnosis  
using ESI[tronic]





## Cutting-edge ECU diagnosis for optimum efficiency

The sturdy new KTS equipment, KTS 560 and KTS 590, are based on the Bosch diagnostic application ESI[tronic] 2.0. Not only do they support all of today's relevant diagnostic protocols, but also future protocols based on Ethernet.

Apart from vehicle diagnosis, voltage, resistance, and current can be measured easily and efficiently.

The KTS 590 is equipped with a two-channel oscilloscope, that provides visual indication and analyses of voltage and current over time.

KTS 590 and KTS 560 can be used to measure vehicle signals from sensors and actuators.

The device also has a powerful in-built Bluetooth® hardware that enables wireless connection to any Windows-based PC.

## Technical data

**Operating voltage: 8 VDC–28 VDC**  
**Connection to PC: USB 2.0, Bluetooth® Class 1**

**Vehicle Protocols compatible with**  
 ISO 15031, ISO 22900, SAE J2534-1 and -2 (PassThru), ISO 9141-2 (K and L), SAE J1850 VPW and PWM, CAN ISO 11898, ISO 15765-4 (OBD), CAN Single Wire, CAN Low Speed, ISO 13400 (Diagnostics over IP), and other vehicle-specific protocols.

**KTS 590**  
 ECU diagnosis and enhanced measurement technology  
 (2-channel multimeter, 2-channel oscilloscope)

**KTS 560**  
 ECU diagnosis and measurement technology  
 (1-channel multimeter)

## Measurement technology specifications

Measurement channels Isolated  
 Input resistance >900 kΩ

### Voltage measurement

Measuring range	200 mV-60 VDC/30VAC
Accuracy	±0.75% of measured value, plus ±0.25% of measuring range
AC frequency range	10 Hz-100 kHz (-3 dB)

### Resistance measurement

Measuring range	100 Ω-1 MΩ
Resolution	0.1 Ω-1000 Ω (depending on the measuring range)
Input resistance	>9 MΩ

### Oscilloscope KTS 590

Measuring range	200 mV-60 VDC/30 VAC, 42 VACpeak
Coupling	DC, AC, DC(+), DC(-)
Signal source	CH1/CH2: U, 100 A, 600 A; Diagnostic pins 1 to 15 (without 4, 5)
X deflection	25 μs-1s
Trigger mode	Manual, Auto-Time, Auto-Level
Frequency range	Up to 5 MHz
Scan rate	20 MS/s (MS = mega samples)

The measurement technology of the Bosch KTS range also includes:

- ▶ Continuity test
- ▶ Open circuit test
- ▶ Diode test

