



BOSCH

Invented for life

Driven by **SOLUTIONS**

KTS 560 / KTS 590

ECU diagnostics
using ESI[tronic] 2.0 Online



Your benefits at a glance

- ▶ Secure investment:
 - Support for all relevant and future diagnostic protocols based on Ethernet
 - Parallel operation of diagnostic protocols ensuring optimal use of vehicle manufacturer portals
- ▶ Sturdy design, optimised for rough workshop environments
- ▶ Powerful Bluetooth® hardware for mobile use and reliability
- ▶ Works with any Windows-based PC that has a licensed version of the Bosch diagnostic application ESI[tronic] 2.0 installed
- ▶ Built-in technology to measure voltage, resistance and current
- ▶ Supports car manufacturers' applications for diagnosing and reprogramming in accordance with EURO 5
- ▶ Built-in LEDs conveniently indicate the current communication status between the vehicle and the PC

Order a solution

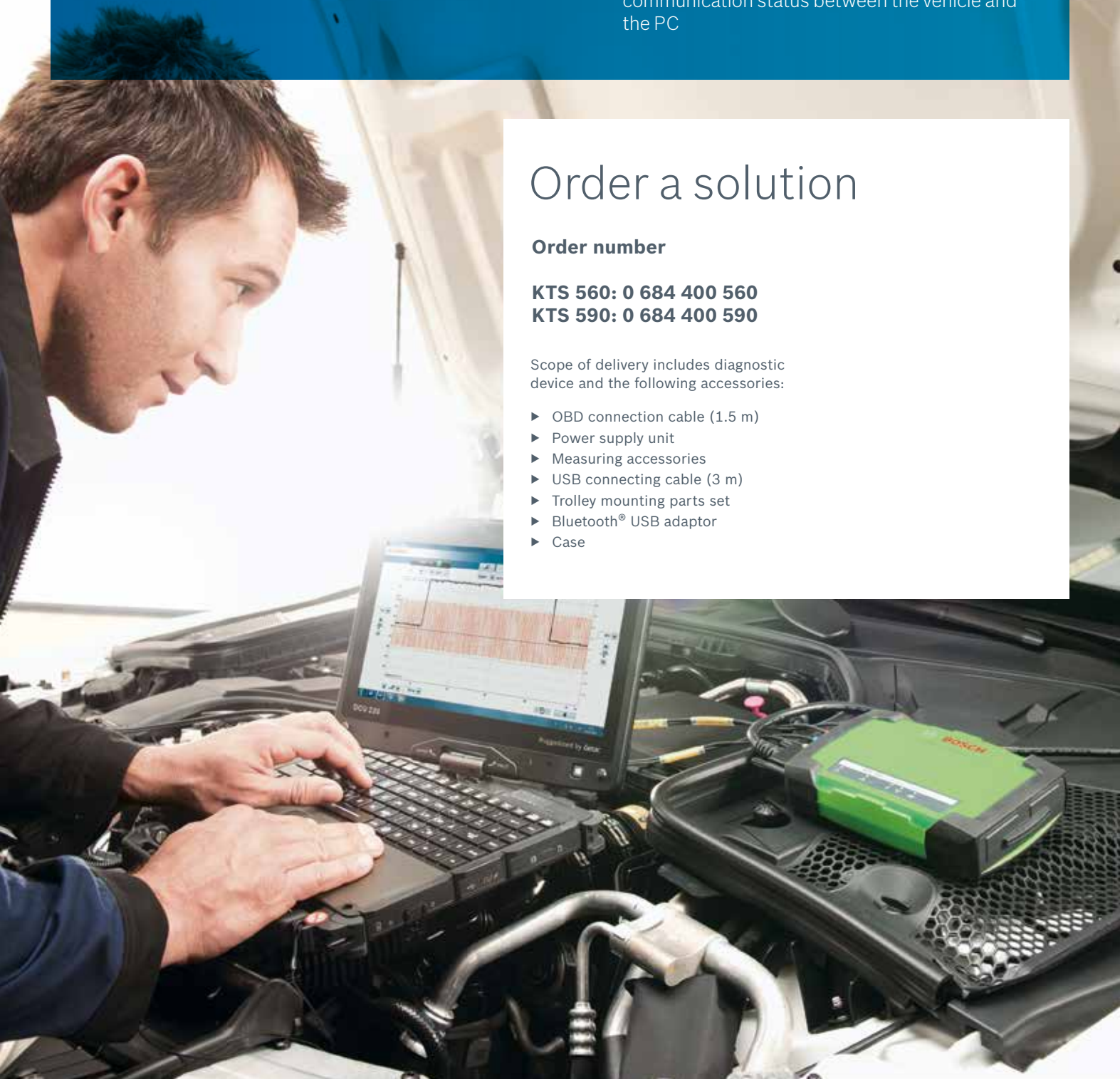
Order number

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)
- ▶ Trolley mounting parts set
- ▶ Bluetooth® USB adaptor
- ▶ Case





Cutting-edge ECU diagnosis for optimum efficiency

The sturdy new KTS modules 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.

What's more, it is possible to operate several diagnostic protocols in parallel – enabling you to also use the vehicle manufacturer's portals for diagnosis and reprogramming in accordance with EURO 5.

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

Furthermore, the KTS 590 is equipped with a two-channel oscilloscope that not only indicates voltage and current over time, but also analyses these directly. All of a vehicle's signals from sensors and actuators can be measured using the KTS 590 or KTS 560.

In addition to USB 2.0, powerful Bluetooth® hardware is built in to make a reliable mobile connection with a Windows-based PC.

Technical data

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

Vehicle protocols

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), 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 k Ω

Voltage measurement

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

Resistance measurement

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

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 μ s-1s
Trigger mode	Manual, Auto-Time, Auto-Level
Frequency range	Up to 5 MHz
Scan rate	20 MS/s (MS = megasamples)



What drives you, drives us

Technology from Bosch is used in practically every vehicle in the world. For us, the focus is on people and helping them to stay mobile.

We have been dedicated to people for more than 125 years with our pioneering spirit, research, production, and expertise.

And we continue to work on our combination of solutions for spare parts, diagnostic devices, workshop equipment, and services:

- ▶ Solutions for efficient vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ One of the world's largest selections of new and replacement parts
- ▶ Large dealership network for quick and reliable parts supply
- ▶ Competent hotline support
- ▶ Comprehensive educational and training offerings
- ▶ Targeted sales and marketing support

Find out more:
[bosch-automotive-aftermarket.com](https://www.bosch-automotive-aftermarket.com)

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Robert Bosch GmbH
Automotive Aftermarket
Business Unit Automotive Service Solutions

73201 Plochingen
Germany

www.bosch.com