

Dear Customer,

thank you for your trust in products from TDK-Micronas. This document gives a short overview of the first steps how to use the new TDK MSP V1.0 (Magnetic Sensor Programmer). Please check first whether the following components are included in your shipment:

1x TDK MSP V1.0, 1x 24V DC power supply with 3x Adapter sockets (EU, USA & Japan),  
1x USB 2.0 cable (Type A to Type B) and 1x Extension board cable.

## TDK MSP V1.0



① 25-pin D-Sub ② Extension board connector ③ Status LED's ④ 24V supply ⑤ RESET ⑥ USB ⑦ RS-232

If the setup is complete, please download and read the TDK MSP V1.0 User Manual. The latest information about TDK-Micronas products and the TDK MSP V1.0 User Manual is available on the TDK-Micronas Service Portal: <https://service.micronas.com/> (registration necessary)

### First Steps after reading the User Manual:

- 1) Connect a TDK-Micronas sensor to the TDK MSP (via extension board cable / 25-pin D-Sub plug).
- 2) Connect the TDK MSP via USB or RS-232 to the PC.
- 3) Connect the TDK MSP to the supply voltage.
- 4) Install the USB Driver for TDK MSP V1.0. You can download the latest version from the TDK-Micronas Service Portal or the FTDI homepage <https://www.ftdichip.com/Drivers/VCP.htm>.
- 5) Install the programming environment software for the sensor you want to use. The Installer is available on the TDK-Micronas Service Portal. If LabVIEW™ Run-Time Engine 2017 (or later) is already installed on your PC you only need to run the executable ".exe". Otherwise the Installer will install the needed LabVIEW™ Run-Time Engine.

### Additional Information:

- For a detailed description of the pinning of the HAL interface HAL1/2 and DB-25 and the list of supported sensor types, please refer to the TDK MSP V1.0 User Manual.
- The communication between TDK MSP and PC is done via USB or RS-232 interface. The selection will be done at the power up. If both interfaces are connected at the same time, the programmer will prefer the USB connection.
- The programmer board is useable in combination with: **Extension Board V5.0**.

**Note:** The TDK MSP is designed for engineering purposes in laboratories. It is not recommended for use in production line.

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