Dear Customer,

Thank you for your trust in TDK-Micronas. This document gives a short overview of the first steps how to use the new TDK MSP V1.x (**M**agnetic **S**ensor **P**rogrammer). Please check first whether the following components are included in your shipment:

> 1x TDK MSP V1.x, 1x 24V DC power supply with 4x Adapter sockets (UK, EURO, USA/JAPAN, AUSTRALIA),
> 1x USB 2.0 cable (Type A to Type B) and 1x Extension board cable.

TDK Magnetic Sensor Programmer V1.x

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.x User Manual. The latest information about TDK-Micronas products, the TDK MSP V1.x User Manual and the newest FW is available on the TDK-Micronas Service Portal: https://service.micronas.com/ (registration required)

First Steps after reading the TDK MSP V1.x 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) the FTDI USB Driver for TDK MSP V1.x should install automatically, otherwise you have to download the latest version from the TDK-Micronas Service Portal or the FTDI homepage https://www.ftdichip.com/Drivers/VCP.htm.
5) Check service.micronas.com for the latest Firmware Version and flash the TDK MSP V1.x.
6) 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.x 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 USB/RS-232 connection has to be done before the Supply is connected.

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