

Transmitter Configuration Box

Instruction Manual



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1 Regulatory Approval

The measuring system is in conformity with the statutory requirements of the EC Directives. METTLER TOLEDO confirms successful testing of the device by affixing to it the CE mark.



2 Environmental Protection



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

3 Safety Instructions

3.1. Definition of Equipment and Documentation Symbols and Designations



WARNING: POTENTIAL FOR PERSONAL INJURY



CAUTION: Possible instrument damage or malfunction



NOTE: Important operating information

On the equipment or in the manual text indicates: Caution and/or other possible hazard including risk of electric shock (refer to accompanying documents).

3.2. General safety instructions and warnings

 **NOTE: Be sure to read and observe the following instructions.**

The following is a list of general safety instructions and warnings. Failure to adhere to these instructions can result in damage to the equipment and/or personal injury to the operator.

- The Transmitter Configuration Box should be installed and operated only by personnel familiar with the device and who are qualified for such work.
- The Transmitter Configuration Box must only be operated under the specified operating conditions.
- Repair of the Transmitter Configuration Box must be performed by authorized, trained personnel only.
- With the exception of routine cleaning procedures, as described in this manual, the Transmitter Configuration Box must not be tampered with or altered in any manner.
- METTLER TOLEDO accepts no responsibility for damage caused by unauthorized modifications to the transmitter.
- Follow all warnings, cautions, and instructions indicated on and supplied with this product.
- Install equipment as specified in this instruction manual. Follow appropriate local and national codes.
- If this equipment is used in a manner not specified by the manufacturer, the protection provided by it against hazards may be impaired.

3.3. Warnings

- Installation of cable connections and servicing of this product require access to shock hazard voltage levels.
- Electrical installation must be in accordance with the National Electrical Code and/or any other applicable national or local codes.



WARNING: Do not install the Transmitter Configuration Box In hazardous locations!

3.4. Correct disposal of the unit

When the Transmitter Configuration Box is finally removed from service, observe all local environmental regulations for proper disposal.

4 Introduction

Thank you for buying this METTLER TOLEDO equipment. The Transmitter Configuration Box is a device for connecting METTLER TOLEDO M80SM transmitters to a PC/laptop running METTLER TOLEDO M80 Transmitter Configuration Tool (TCT) software. This set-up is used to configure MODBUS specific parameters of the M80SM transmitter (baud rate, device address, etc.).

Please download the TCT software from the documentation section on www.mt.com/M80.

5 Technical data Transmitter Config. Box

Operating temperature	–15 to +60 °C
Relative humidity	5 ... 95 % rH (non-condensing)
Protection class	IP20
Communication to PC	USB (cable included)
Communication to M80SM	5-pin data/24 VDC power supply cable (included)

6 Connections

Connect the colored open ends of the supplied 5-pin data/24 VDC power supply cable to the terminal of the Transmitter Configuration Box according to the color code printed on the label of the Transmitter Configuration Tool: yellow, gray, blue, white, black, brown.

Connect the female M12 connector of the 5-pin data/24 VDC power supply cable to the male M12 connector of the M80SM transmitter.

Use the supplied USB cable to connect the Transmitter Configuration Box to a PC/laptop running the METTLER TOLEDO Transmitter Configuration Tool (TCT) software.

Please download the TCT software from www.mt.com/M80.

7 Cleaning/storage

Clean the surface of the Transmitter Configuration Box with a soft damp cloth, then dry the surface with a cloth, carefully. Do not use any solvents or water to clean connecting parts of connectors!

8 Ordering information

Item	Ordering number
M80SM Transmitter	30 530 566
Transmitter Configuration Box	30 530 567

All trademarks are the property of their respective holders.

9 Hazardous Substances Table / 有毒有害物质或元素

Toxic and hazardous substance name and containment in product 有毒有害物质或元素						
部件名称 Part Name	Toxic and hazardous substances					
	铅 Lead (Pb)	汞 Mercury (Hg)	镉 cadmium (Cd)	六价铬 Hexavalent chromium (Cr6+)	多溴联苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
电路板 PCBA	x	○	○	○	○	○
外壳及相关配件 Housing Assembly	x	○	○	○	○	○
线缆 Cables	x	○	○	○	○	○
附件 Accessories	x	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。本产品符合以下标志规范：
Table composed in accordance with SJ/T 11364 (CN). This product is bearing the following symbol

○: 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下
○: Indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit specified in GB/T 26572

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。
X: Indicates that the content of the toxic substance in at least one of the homogeneous materials of the part exceeds the limits specified in GB/T 26572.

For addresses of METTLER TOLEDO
Market Organizations please go to:
www.mt.com/pro-MOs

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Subject to technical changes.

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