

Transmitter Configuration Box

Instruction Manual



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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

MARNING: POTENTIAL FOR PERSONAL INJURY



CAUTION: Possible instrument damage or malfunction



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

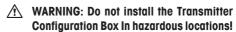
NOTE: Be sure to read and observe the following instructions.

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.



Correct disposal of the unit 3.4.

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.

Technical data Transmitter Config. Box 5

Operating temperature	-15 to $+60$ °C
Relative humidity	595% 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 M80 SM 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
M80 SM Transmitter	30 530 566
Transmitter Configuration Box	30 530 567

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

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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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