



omega.com info@omega.com
Servicing North America:

U.S.A.: Omega Engineering, Inc., One Omega Drive, P.O. Box 4047
Stamford, CT 06907-0047 USA
Toll-Free: 1-800-826-6342 (USA & Canada only)
Customer Service: 1-800-622-2378 (USA & Canada only)
Engineering Service: 1-800-872-9436 (USA & Canada only)
Tel: (203) 359-1660 Fax: (203) 359-7700 e-mail: info@omega.com

For Other Locations Visit omega.com/worldwide

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WARNING: These products are not designed for use in, and should not be used for, human applications.

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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MADE IN ITALY



M12TX-CONFIG Configuration Kit For M12TX

Ports	1 free USB port
Free hard disk space	50MB
Display resolution	Minimum 800x600
O.S. Windows	Windows 2000 (SP3) or Windows XP (SP2) or Windows Vista (32 & 64 bit) or Windows 7 (32 & 64 bit) or Windows 8 (32 and 64 bit with framework 3.5)
System requirements	
USB Compliance	USB v1.1 and USB v2.0
Galvatic isolation	1500Vdc
Operative conditions	0...50°C / 0...90% RH Non condensing
Power supply	PC's USB port, 5Vdc 74mA max.
Output (USB interface to transmitter)	Adapter cable with M12 female connector
Input (to PC from USB interface)	USB cable

TECHNICAL DATA

Attention: when installing, do not connect the USB interface to your USB port until prompted (please see the chapter "Installation guide").



The configuration software *TX Configurator* is compatible with Windows 2000 (SP3), Windows XP (SP2), Windows Vista (32 and 64 bit), Windows 7 (32 and 64 bit), Windows 8 (32 and 64 bit) with framework 3.5).

The USB interface is CE-marked and complies with EMC-directive 2004/108/EC. For more information see the Declaration of Conformity.

Only one transmitter may be connected at a time.

- Software and drivers on a USB memory stick (and M12TX)
- Adapter cable (connection between USB interface and M12TX)
- USB cable (connection between PC and USB interface)
- USB interface

M12TX-CONFIG consist of:

M12TX-CONFIG includes all necessary software and hardware for configuration from a PC's USB port.

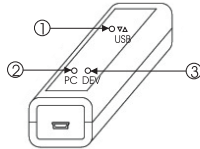
GENERAL INFORMATION

USB INTERFACE DESCRIPTION

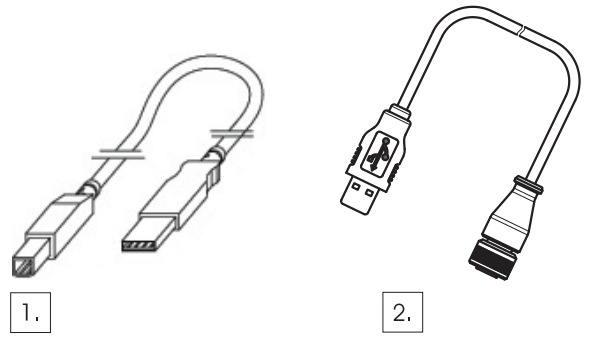
The USB interface is powered from the PC's USB port. There are three LED indicators on the USB interface: "USB", "PC" and "DEV". They are indicators to make the understanding of the communication between PC and transmitter easier. Their functions are described below.

- "USB" LED indicates data transfer. It lights during data transfer, otherwise it is off.
- "PC" LED indicates connection between M12TX-CONFIG and PC; it is green during reading or writing to transmitter otherwise is red.
- "DEV" LED indicates the transmitter connection status. If it's green, the connected transmitter is detected by the USB interface; when it's red no transmitter is detected by the USB interface.

1. "USB" LED
2. "PC" LED
3. "DEV" LED

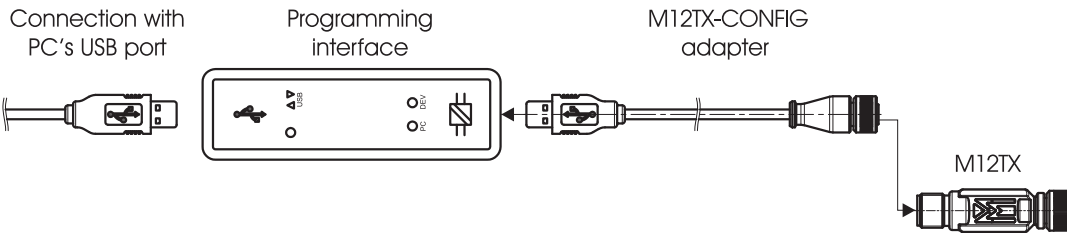


CONTENTS



1. USB cable
2. Adapter cable for M12TX

CONNECTIONS



Don't power-on the transmitter when connected with the programming interface

INSTALLATION GUIDE

ATTENTION: before connect the USB interface to the PC it needed do the following steps

Make sure your USB interface is not plugged in before driver installation.

Inside this Kit it is included a memory stick with stored the communications drivers and the M12TX Series configuration software; connect the memory stick to a free USB PC's port and wait for the automatic installation driver; when the message "hardware installed and ready to use" appears, a windows is opened: click on "Open folder to view files using Windows explorer". Double click on "Install.exe" file to open the "TTX Configurator" window; click on "Install USB Interface drivers" and wait for the drivers installation. At the end of this step, click on "TTX Configurator" and wait for the software installation.

At the end of installation, connect the USB interface to a free PC's USB port, and wait for the installation; when the message "hardware installed and ready to use" appears, it is possible to start the TTX Configurator from the icon on the desktop.

CONFIGURATION

Procedure for the transmitter configuration

1. Connect the M12TX + device to USB interface by the adapter cable (see "programming connection"); wait for the LED "DEV" becomes green (it is no need an external power supply),
2. On M12TX-CONFIG click on "read from transmitter" icon: the software will upload automatically the M12TX configuration.
3. Set the measuring range, the sensor break indication, and if need the tag (transmitter ID, max 16 alphanumeric characters)
4. The new configuration can be downloaded on the M12TX by a click on "write to transmitter" icon. The device makes a restart after the downloading is done.

For more detailed information, please see the M12TX-CONFIG help; it is possible to open help by a F1 key from the application main window.