

DATA SHEET

TMI-Orion

Radio Transceiver



The TMI-Orion Radio Transceiver is a radio 2.4 GHz communication interface connecting the PC to TMI-Orion radio or FullRadio data loggers.

Operating with Qlever software, this interface allows remote and wireless setup and starting of FullRadio loggers as well as real time or after the process data transmission and reading.

TECHNICAL SPECIFICATIONS

Material	Aluminum and plastic
Dimensions of the box	127 mm x 81 mm x 46 mm
Power supply	USB self powered or AC adaptor (if RS485 or Ethernet are used)
Communication	Bi-directional 2.4 GHz radio
Connectivity	<ul style="list-style-type: none">• USB port• RS485 (long distance) port• Ethernet (for PC or local network) port
Antenna	<ul style="list-style-type: none">• Standard (see technical specifications)• For autoclave (straight or right-angled)

RADIO COMMUNICATION

- 2.4 GHz ISM band (frequency range 2.405 GHz to 2.475 GHz) / Can be used without licence / Universal band for industrial, scientific and medical devices with low radio transmission power / Maximum radiated power +5 dBm (3,2 mW).
- Radio transmission range depends on the environment. (Medium range: line of sight 25 meters.)
- TMI-Orion 2.4 GHz bi-directional radio protocol, based on IEEE 802.15.4 standard / 14 RF channels for the user / Able to manage several pieces of equipment connected in star configuration in the same space.

SOFTWARE AND RELATED PRODUCTS



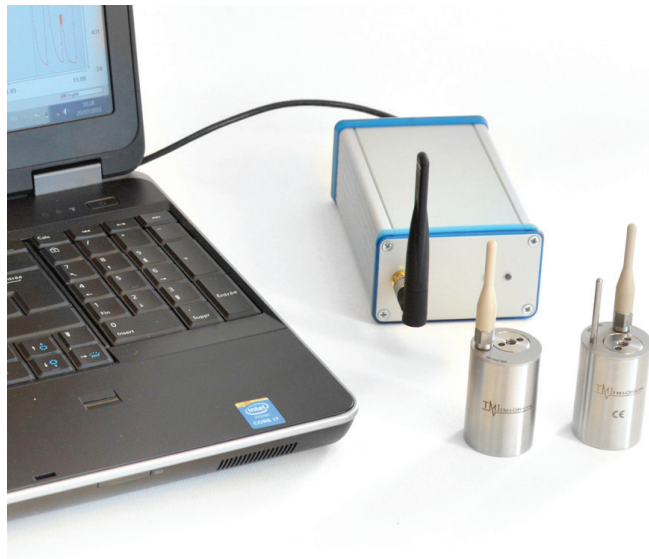
The **TMI-Orion Radio Transceiver** operates with **TMI-Orion Qlever software and data loggers**.

Qlever software platform: data acquisition, management and visualization of data from TMI-Orion data loggers. Qlever is installed on a PC and operates under Windows®/Vista/7/8/10.

Data transmission and visualization are done in real time or at the end of the industrial process.



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Radio Transceiver with FullRadio loggers and PC

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