



Operating instructions  
Bluetooth adapter  
**EIO330**

**GB**



## Contents

1	Preliminary note .....	3
1.1	Symbols used .....	3
2	Safety instructions .....	4
3	Intended use .....	5
4	Function .....	6
5	Electrical connection .....	7
6	Indicator .....	8
6.1	RGB indicator .....	8
6.2	RGB status indication .....	8
7	Set-up of the moneo blue application .....	9
7.1	Moneo blue's functions .....	9
7.2	System requirements .....	9
7.3	Installation of moneo blue .....	9
7.4	Connect a mobile device .....	9
8	Copyright and trademarks .....	10
9	Approvals and certificates .....	11
10	Maintenance, repair and disposal .....	12

# 1 Preliminary note

You will find instructions, technical data, approvals and further information using the QR code on the unit / packaging or at [www.ifm.com](http://www.ifm.com).

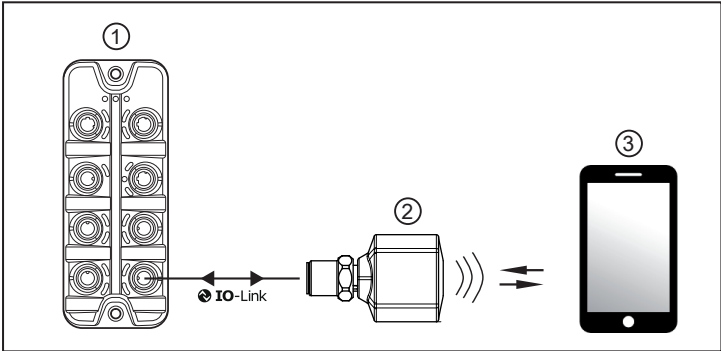
## 1.1 Symbols used

- ✓ Requirement
- ▶ Instructions
- ▷ Reaction, result
- [...] Designation of keys, buttons or indications
- Cross-reference
-  Important note  
Non-compliance may result in malfunction or interference.
-  Information  
Supplementary note

## 2 Safety instructions

- The unit described is a subcomponent for integration into a system.
  - The system architect is responsible for the safety of the system.
  - The system creator undertakes to perform a risk assessment and to create documentation in accordance with legal and normative requirements to be provided to the operator and user of the system. This documentation must contain all necessary information and safety instructions for the operator, the user and, if applicable, for any service personnel authorised by the architect of the system.
- Read this document before setting up the product and keep it during the entire service life.
- The product must be suitable for the corresponding applications and environmental conditions without any restrictions.
- Only use the product for its intended purpose (→ Intended use).
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property may occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Installation, electrical connection, set-up, operation and maintenance of the product must be carried out by qualified personnel authorised by the machine operator.
- Protect units and cables against damage.

### 3 Intended use



- 1: IO-Link master
- 2: EIO330
- 3: Mobile device with Bluetooth connection

**GB**

## 4 Function

EIO330 monitors the IO-Link communication of a master. Using the smartphone or tablet, all connected devices can be identified and read via Bluetooth and an APP. Thanks to an integrated history memory the device can also be used as a stand-alone data logger. All available functions can be accessed via moneo|blue.



The unit does not support IO-Link 1.0 devices.

This unit uses an ifm-specific IoT Core communication via IO-Link. The number and the scope of functions of the connectable devices of this type (e.g. E30443 and EIO330) depend on the firmware version of the IO-Link master used.

The corresponding port of the master must be configured as an IO-Link port.

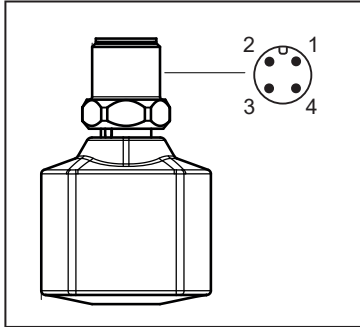
## 5 Electrical connection



The device must be connected by a qualified electrician.

Supply voltage SELV, PELV according to the technical data sheet.

- ▶ Disconnect power.
- ▶ Connect the unit as follows:



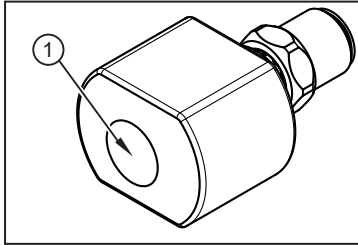
PIN	4-pole M12 male connector
1:	L+
2:	No function
3:	L-
4:	IO-Link



Required master port class: port class A

## 6 Indicator

### 6.1 RGB indicator



Colour	Designation
Red	Fault indication
Green	Operation indication
Blue	Bluetooth

1: RGB indicator

### 6.2 RGB status indication

Description	LED (RGB indicator)
Supply voltage too low	LED off
Optical identification of the device	Green, double flashing at 1 Hz
Device fault (device needs to be replaced)	Red, on
Bluetooth connected, data recording enabled	Blue, flashes at 1 Hz
IO-Link communication detected, recording enabled	Green, flashes at 1 Hz
Bluetooth connected	Blue, on
Supply voltage OK	Green, on
Device update	Green, briefly flashes at 1 Hz



## 7 Set-up of the moneo|blue application

### 7.1 Moneo|blue's functions

With moneo|blue, live data from EIO330 is transmitted, displayed and the parameters are set. Saved data can be read via a data file.

Acyclic parameters and cyclic process data can be read and written.

### 7.2 System requirements

To install moneo|blue on a mobile device such as smartphone or tablet an internet connection is needed. moneo|blue can be downloaded from the "Apple APP Store" or "Google Play Store". The mobile device must meet the following system requirements:

- Bluetooth 4.0
- iOS operating system version 8.0 or higher
- Android operating system version 4.3 or higher

### 7.3 Installation of moneo|blue

- ▶ Open the Apple APP Store or the Google Play Store.
- ▶ Search for moneo|blue.
- ▶ Follow the installation instructions.



Update the IOOD catalogue when using the moneo|blue App for the first time.



moneo|blue



### 7.4 Connect a mobile device.

- ▶ Activate Bluetooth data transmission on the mobile device.
- ▶ Position the mobile device within the range of EIO330.
- ▶ Select the requested EIO330.
- ▶ Enter the access password 0000.



You can find information about moneo|blue in the App description.

## 8 Copyright and trademarks

All trademarks and company names used are subject to the copyright of the respective companies.

Apple® is a registered trademark of Apple Inc.

Google® is a registered trademark of Google LLC.

Bluetooth® is a registered trademark of Bluetooth SIG Inc.

iOS® operating system is a registered trademark of Apple Inc. Android® operating system is a registered trademark of Google LLC.

## 9 Approvals and certificates

The EU declaration of conformity, approvals and country-specific certificates are available at:  
[www.ifm.com](http://www.ifm.com)

Approval-related notes: → Packing slip

**GB**

## 10 Maintenance, repair and disposal

The unit is maintenance-free.

- ▶ Contact ifm in case of malfunction.
- ▶ Do not open the housing as the unit does not contain any components which can be maintained by the user. The unit must only be repaired by the manufacturer.
- ▶ Clean the device using a dry cloth.
- ▶ Dispose of the unit in accordance with the national environmental regulations.