

CMa35

USB Optical eye

INTRODUCTION

The CMa35 optical eye is ideal for mobile readout and configuration of meters with serial optical interface. Place the CMa35 with the magnet on the serial optical interface of the meter and data transfer can start.

OVERVIEW



1. Optical eye with magnet
2. Cable
3. USB connection

MOUNTING

Mount the CMa35 with the integrated magnet on the serial optical interface on the meter. The USB connection should be connected to a computer to start readout or configuration of the meter. Note that the cable is detachable and can be exchanged with a cable of suitable length.

OPERATION

The CMa35 is independent of the meter manufacturer and can be used with any meter with serial optical interface on the market. The CMa35 does not need any specific software.

TROUBLESHOOTING

Make sure that:

1. A COM port for the CMa35 is created in the device manager.
2. The correct COM port is chosen in the computer software.
3. The CMa35 is correctly aligned with the meter's optical interface.

SAFETY

The warranty does not cover damage to the product caused by usage in any other way than described in this manual. Elvaco AB can not be liable for personal injury or property damage caused by usage in any other way than described in this manual.

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TECHNICAL SPECIFICATIONS

Mechanics

Material	Delrin
Dimensions	Diameter= 32 mm Height= 13 mm
Weight	83 g (cable included)
Mounting	On any meter with serial optical interface
Cable	2 m

Connections and interface

Connection	USB
Electrical	
Power supply	From USB interface (5 V)
Supply current	Max 16 mA

Other

Transmission speed	300-9600 baud (half duplex)
Optical characteristics	EN 61107

ORDERING INFORMATION

Product	Part number	Description
CMa35	1050104	USB Optical Eye

CONTACT INFORMATION

Elvaco AB Technical support:

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EU DECLARATION OF CONFORMITY	
This declaration of conformity is issued under the sole responsibility of the manufacturer: Elvaco AB, Kabelgatan 2T, S-43437 Kungälv, Sweden	
Product	Year of CE-marking
CMa35 USB Optical Eye	2016
The object(s) of the declaration listed above is in conformity with the relevant Community harmonization legislation: EMC Directive 2014/30/EU RoHS 2011/65/EU	
And are in conformity with the following harmonization standards or other normative documents: EN55022 (Radiated emission) EN 61000-4-6 (Immunity to HF-injection) EN 61000-4-2 (Immunity to ESD)	
Kungälv, Sweden, 2016-04-16	
 David Vonasek, CEO	

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