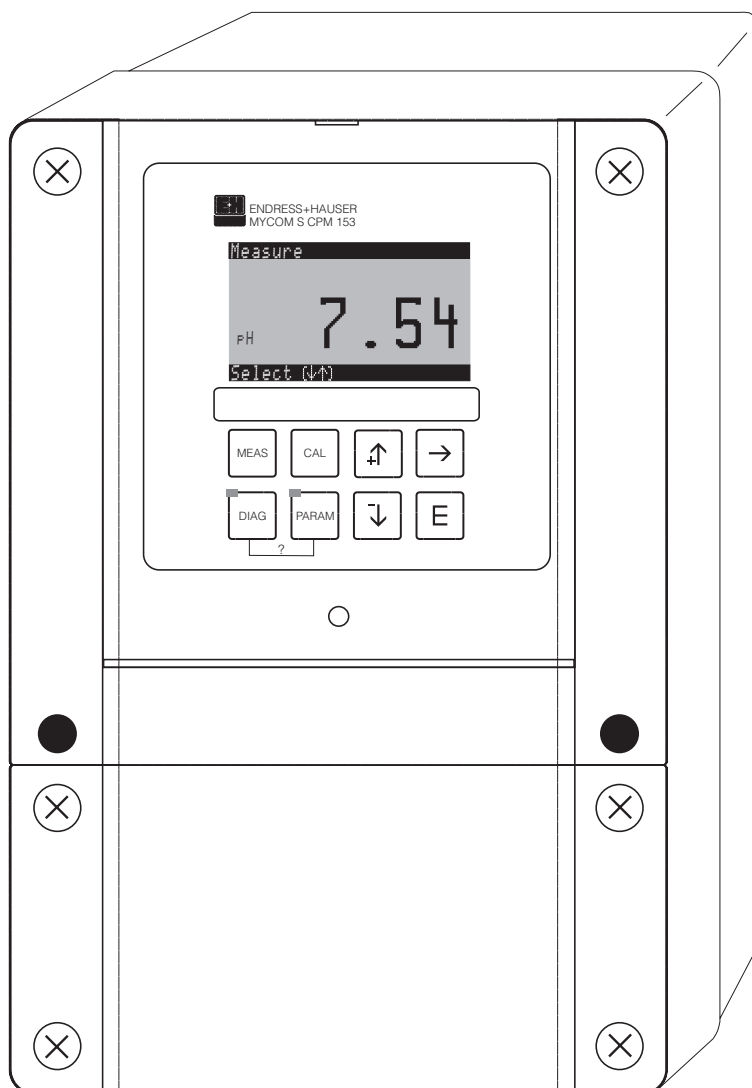


HART

Field Communication with Mycom S CXM 153 TopCal S CPC 300 TopClean S CPC 30

Operating Instructions



Quality made by
Endress+Hauser



ISO 9001

Endress + Hauser

The Power of Know How



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1 Safety instructions

1.1 Notes on safety conventions and icons

General safety instructions



Warning!

This symbol alerts you to hazards which could cause serious injuries as well as damage to the instrument if ignored.



Caution!

This symbol alerts you to possible faults which could arise from incorrect operation. They could cause damage to the instrument if ignored.



Note!

This symbol indicates important items of information.

Electrical symbols



DC voltage

A terminal at which DC voltage is applied or through which DC flows.



AC voltage

A terminal at which (sine-form) AC voltage is applied or through which AC flows.



Ground connection

A grounded terminal, which, from the user's point of view, is already grounded using a ground system.



Protective earth terminal

A terminal which must be grounded before other connections may be set up.



Equipotential connection

A connection which must be connected to the grounding system of the equipment. This can be, for example, a potential matching line of a star-shaped grounding system, depending on national or company practice.



Double insulation

The equipment is protected with double insulation.



Alarm relay



Input



Output

1.2 Designated use

The transmitter Mycom S CXM 153 HART® is a device for measuring the pH value or the redox potential or the conductivity. The HART® interface allows the device to be operated via the handheld terminal DXR 275 or, using the operating programme Commuwin II, at a PC by means of a HART® modem, e.g. Commubox FXA 191.

Any other use than the one described here compromises the safety of persons and the entire measuring system and is therefore not permitted.

The manufacturer is not liable for damage caused by improper or non-designated use.

1.3 Installation, Commissioning, Operation

Please note the following items:

- Installation, electrical connection, commissioning, operation and maintenance of the measuring system must only be carried out by trained technical personnel. The technical personnel must be authorised for the specified activities by the system operator.
- Technical personnel must have read and understood these Operating Instructions and must adhere to them.
- Before commissioning the entire measuring point, check all the connections for correctness. Ensure that electrical cables and hose connections are not damaged.
- Do not operate damaged products and secure them against unintentional commissioning.
- Measuring point faults may only be rectified by authorised and specially trained personnel.
- If faults can not be rectified, the products must be moved from service and secured against unintentional commissioning.
- Repairs not described in these Operating Instructions may only be carried out at the manufacturer's or by the Endress+Hauser service organisation.

1.4 Operational safety

The transmitter has been designed and tested according to the state of the art and left the factory in perfect functioning order.

Relevant regulations and European standards have been met.

As the user, you are responsible for complying with the following safety conditions:

- Explosion protection regulations
- Installation instructions
- Local standards and regulations

In addition, the separate Ex-documentation also applies to Ex-systems. This forms a part of these Operating Instructions.

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