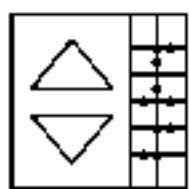
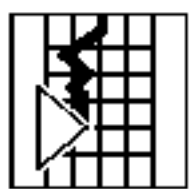
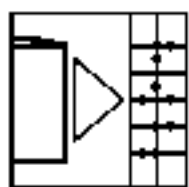
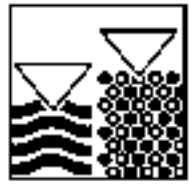


Automation of pH/Redox Measurements *TopClean S CPC 30*

Automatic Measuring and Cleaning System
in Ex and Non-Ex areas



Applications

The calibration system TopClean S CPC 30 is the optimum choice for heavily polluted and aggressive media as they occur in the

- process industry and in
- wastewater.

But also in the

- food and
 - pharmaceutical industries
- the TopClean S CPC 30 achieves high-accuracy measurement results and reliability.

The automatic pH/redox measuring system TopCal S combines a very high degree of safety, highly precise measurement results and very low maintenance requirements.

Benefits at a glance

- Very high degree of safety:
 - System status messages with feedback to the control desk
 - In-process electrode cleaning, no electrode removal necessary
 - Automatic cleaning on detection of electrode fouling
- High availability:
 - Long electrode life due to measuring cycle
 - Offline configuration: Very simple set-up on PC
 - DAT module: very simple copying of set-up to other devices
- Short amortisation times:
 - Low procurement price
 - Low maintenance costs through automatic cleaning of electrode
 - Low installation effort through modular design

Quality made by
Endress+Hauser



ISO 9001

Endress + Hauser

The Power of Know How



Functions and system design

The cleaning system TopClean S CPC 30 consists of the following components:

- Control unit CPG 30
- Measuring transmitter Mycom S CPM 153
- Injector CYR 10
- Multihose with assembly hose clip
- Power supply/control cable CPG 30 / Mycom S CPM 153 (5 m)
- Control lines CPG 30 / Injector CYR 10 (3 m).

Control unit CPG 30

The control unit CPG 30 converts the commands of the CPM 153 into pneumatic signals and sends feedback signals such as assembly position and monitoring signals for compressed air and water. The injector CYR 10 doses water and cleaning agent to clean the electrode. The measuring transmitter CPM 153 has five contacts and an alarm contact. Optionally, you can obtain an extra freely-configurable output contact for the control unit CPG 30. This can be used to control pneumatic valves in explosion hazardous zones or solenoid valves in non-hazardous zones to convey hot or aggressive media.

Measuring transmitter Mycom S CPM 153

The CPM 153 is the central unit of the measuring point. It processes the measured variables, acts as communications centre and controls processes. The CPM 153 controls processes in the CPG 30 via an interface and processes its feedback signals.

In the Ex version, the CPC 30 is powered via the power supply/control cable from the CPM 153; in the non-Ex version, the CPC 30 has its own power supply connection.