Immersion assembly
Flexdip CYA112

Modular assembly for water, wastewater and utilities

Benefits:
- The modular system allows an optimum configuration for every measuring place
- Fast installation and exchange of Memosens sensors with contactless plug-in head
- Twist-free installation of fixed-cable sensors
- Easy to install and to maintain
- Robust design: Suitable for process pressures up to 6 bar (87 psi)

Specs at a glance
- **Process temperature** 0 to 60 °C (32 to 140 °F)

Field of application: The Flexdip CYA112 is a modular assembly for sensor immersion in open basins, channels, or tanks. It allows nearly any kind of sensor mounting – chain, fixed, or free-swinging – and features a quick fastener for rapid and safe installation of Memosens or fixed-cable sensors. The assembly provides you with outstanding flexibility and enables you to optimally configure your measurement at low costs.

Features and specifications

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More information and current pricing: [www.us.endress.com/CYA112](http://www.us.endress.com/CYA112)
pH

Installation
CYA112 is a modular assembly system for sensors in open basins, channels and tanks

Characteristic
Simple and easy installation
Universal and flexible

Design
Versions in stainless steel or PVC

Material
Immersion pipe, connection angle, welded threads: stainless steel 1.4404
Sensor adaption, quick fastener, multifunctional clamp ring: POM - GF
O-rings: EPDM

Dimension
Immersion pipe diameter: 40 mm (1.57 inch)
Length: 600, 1200, 1800 and 2400 mm
(23.6, 47.2, 70.9 and 94.5 inch)

Process temperature
0 to 60 °C (32 to 140 °F)

ORP / Redox

Measuring principle
Sensor ORP / Redox

Application
Water treatment, wastewater treatment, plant design, open channels, basins, open tanks and process vats, fluctuating water levels

Installation
CYA112 is a modular assembly system for sensors in open basins, channels and tanks
## ORP / Redox

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| Design                  | Versions in stainless steel or PVC |

| Material                | Immersion pipe, connection angle, welded threads: stainless steel 1.4404  |
|                        | Sensor adaption, quick fastener, multifunctional clamp ring: POM - GF  |
|                        | O-rings: EPDM                  |

| Dimension               | Immersion pipe diameter: 40 mm (1.57 inch)  |
|                        | Length: 600, 1200, 1800 and 2400 mm (23.6, 47.2, 70.9 and 94.5 inch) |

| Process temperature     | 0 to 60 °C (32 to 140 °F) |

## Conductivity

| Measuring principle     | Conductive |

| Application             | Water treatment, wastewater treatment, plant design, open channels, basins, open tanks and process vats, fluctuating water levels |

| Installation            | CYA112 is a modular assembly system for sensors in open basins, channels and tanks |

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### Conductivity

**Design**
Versions in stainless steel or PVC

**Material**
Immersion pipe, connection angle, welded threads: stainless steel 1.4404
Sensor adaption, quick fastener, multifunctional clamp ring: POM - GF
O-rings: EPDM

**Dimension**
Tauchrohr Durchmesser: 40 mm (1.57 Zoll)
Länge: 600, 1200, 1800 und 2400 mm
(23.6, 47.2, 70.9 und 94.5 Zoll)

**Process temperature**
0 ... 60 °C (32 ... 140 °F)

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### Oxygen

**Measuring principle**
Amperometric oxygen measurement

**Application**
Water treatment, wastewater treatment, plant design, open channels, basins, open tanks and process vats, fluctuating water levels

**Installation**
CYA112 is a modular assembly system for sensors in open basins, channels and tanks

**Characteristic**
Simple and easy installation
Universal and flexible

**Design**
Versions in stainless steel or PVC
Oxygen

**Material**
Immersion pipe, connection angle, welded threads: stainless steel 1.4404
Sensor adaptation, quick fastener, multifunctional clamp ring: POM - GF
O-rings: EPDM

**Dimension**
Immersion pipe diameter: 40 mm (1.57 inch)
Length: 600, 1200, 1800 and 2400 mm
(23.6, 47.2, 70.9 and 94.5 inch)

**Process temperature**
0 to 60 °C (32 to 140 °F)

Disinfection

**Measuring principle**
Total chlorine

**Application**
Water treatment, wastewater treatment, plant design, open channels, basins, open tanks and process vats, fluctuating water levels

**Characteristic**
Simple and easy installation
Universal and flexible

**Design**
Versions in stainless steel or PVC

**Material**
Immersion pipe, connection angle, welded threads: stainless steel 1.4404
Sensor adaptation, quick fastener, multifunctional clamp ring: POM - GF
O-rings: EPDM
**Disinfection**

**Dimension**
Immersion pipe diameter: 40 mm (1.57 inch)
Length: 600, 1200, 1800 and 2400 mm
(23.6, 47.2, 70.9 and 94.5 inch)

**Process temperature**
0 to 60 °C (32 to 140 °F)

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**Turbidity**

**Measuring principle**
Single beam scattered light

**Application**
Water treatment, wastewater treatment, plant design, open channels, basins, open tanks and process vats, fluctuating water levels

**Installation**
CYA112 is a modular assembly system for sensors in open basins, channels and tanks

**Characteristic**
Simple and easy installation
Universal and flexible

**Design**
Versions in stainless steel or PVC

**Material**
Immersion pipe, connection angle, welded threads: stainless steel 1.4404
Sensor adaption, quick fastener, multifunctional clamp ring: POM - GF
O-rings: EPDM

**Dimension**
Immersion pipe diameter: 40 mm (1.57 inch)
Length: 600, 1200, 1800 and 2400 mm
(23.6, 47.2, 70.9 and 94.5 inch)
## Turbidity

**Process temperature**
0 to 60 °C (32 to 140 °F)

## Analyser

**Measuring principle**
UV photometric

**Characteristic**
Simple and easy installation
Universal and flexible

**Design**
Versions in stainless steel or PVC

**Process temperature**
0 to 60 °C (32 to 140 °F)

**Application**
Water treatment, wastewater treatment, plant design, open channels, basins, open tanks and process vats, fluctuating water levels

More information [www.us.endress.com/CYA112](http://www.us.endress.com/CYA112)