

# Immersion assembly Flexdip CYA112

## Modular assembly for water, wastewater and utilities



More information and current pricing:

[www.be.endress.com/CYA112](http://www.be.endress.com/CYA112)

### 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

pH

### Measuring principle

Potentiometric

### Application

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

## pH

**Installation**

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

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**Characteristic**

Simple and easy installation  
Universal and flexible

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**Design**

Versions in stainless steel or PVC

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**Material**

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

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**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)

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**Process temperature**

0 to 60 °C (32 to 140 °F)

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## Conductivity

**Measuring principle**

Potentiometric

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**Application**

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

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**Installation**

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## Conductivity

**Characteristic**

Simple and easy installation  
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**Design**

Versions in stainless steel or PVC

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**Material**

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

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**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)

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**Process temperature**

0 ... 60 °C (32 ... 140 °F)

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## Turbidity

**Measuring principle**

Single beam scattered light

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**Application**

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

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**Installation**

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channels and tanks

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**Characteristic**

Simple and easy installation  
Universal and flexible

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## Turbidity

### Design

Versions in stainless steel or PVC

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### Material

Immersion pipe, connection angle, welded threads: stainless steel  
1.4404

Sensor adaption, quick fastener, multifunctional clamp ring: POM - GF  
O-rings: EPDM

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### Dimension

Immersion pipe diameter: 40 mm (1.57 inch)  
Length: 600, 1200, 1800 and 2400 mm  
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### Process temperature

0 to 60 °C (32 to 140 °F)

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## ORP / Redox

### Measuring principle

Sensor ORP / Redox

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### Application

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

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### Installation

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

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### Characteristic

Simple and easy installation  
Universal and flexible

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### Design

Versions in stainless steel or PVC

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**ORP / Redox****Material**

Immersion pipe, connection angle, welded threads: stainless steel  
1.4404

Sensor adaption, quick fastener, multifunctional clamp ring: POM - GF  
O-rings: EPDM

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**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)

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**Process temperature**

0 to 60 °C (32 to 140 °F)

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**Disinfection****Measuring principle**

Total chlorine

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**Application**

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

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**Characteristic**

Simple and easy installation  
Universal and flexible

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**Design**

Versions in stainless steel or PVC

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**Material**

Immersion pipe, connection angle, welded threads: stainless steel  
1.4404

Sensor adaption, quick fastener, multifunctional clamp ring: POM - GF  
O-rings: EPDM

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## 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)

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**Process temperature**

0 to 60 °C (32 to 140 °F)

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## Analyser

**Measuring principle**

UV photometric

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**Characteristic**

Simple and easy installation  
Universal and flexible

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**Design**

Versions in stainless steel or PVC

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**Process temperature**

0 to 60 °C (32 to 140 °F)

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**Application**

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

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## Oxygen

**Measuring principle**

Amperometric oxygen measurement

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**Application**

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

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**Installation**

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

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## Oxygen

### Characteristic

Simple and easy installation  
Universal and flexible

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### Design

Versions in stainless steel or PVC

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### Material

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

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### Dimension

Immersion pipe diameter: 40 mm (1.57 inch)  
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