

Immersion assembly Flexdip CYA112

Modular assembly for water, wastewater and utilities



More information and current pricing:

www.ca.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

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

Turbidity

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)

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

Oxygen

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)

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

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

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)

Conductivity**Measuring principle**

Conductive

Conductivity

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

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)

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

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)

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

Disinfection

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)

More information www.ca.endress.com/CYA112