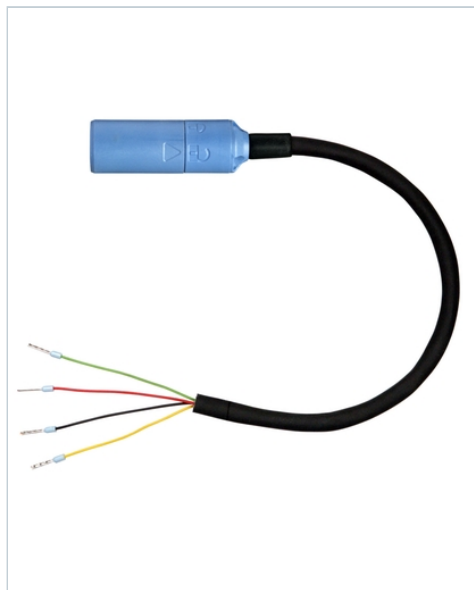


Digital measuring cable CYK10

Memosens data cable for all sensors with Memosens plug-in head



More information and current pricing:

www.endress.com/CYK10

Benefits:

- Maximum process safety through non-contact, inductive and digital signal transmission: No contact corrosion, absolutely watertight, no interference potential.
- Increased availability of the measuring point: Digital data transmission provides an automatic error message if the signal is lost.
- More flexibility in plant planning and installation: Cable length up to 100 m is possible.
- Approved for hazardous area use.

Specs at a glance

- **Installation** Inductive plug- head for digital sensors with Memosens technology and wire terminals or M12 plug to connect to the transmitter
- **Ex certification** ATEX II 1G Ex ia IIC T3/T4/T6 FM, CSA IS Cl.1 Div 1 Gr. A-D ATEX, NEPSI II 3G Ex ic IIC
- **Ingress protection** IP68

Field of application: CYK10 guarantees absolute water-proof connection of Memosens sensors to the transmitter. Its inductive coupling shows no contact corrosion and guarantees galvanic isolation of transmitter and medium. Simply forget about limited cable length, interfering potentials or moisture and benefit from completely safe and reliable signal transmission.

Features and specifications

pH

Measuring principle

Potentiometric

Application

Measuring cable for contactless, inductive, digital transmission of measurement signals

Installation

Inductive plug- head for digital sensors with Memosens technology and wire terminals or M12 plug to connect to the transmitter

Characteristic

Inductive, digital transmission of measurement signals and energy
Not influenced by moisture, EMC-fields and corrosion

Measuring range

High impedance cable not necessary

Design

Easy to handle Bajonett coupling to connect digital sensors with Memosens technology and plug-head
No open contacts, resistant against humidity

Material

Cable sheath: TPE
Junction box: aluminum

Dimension

Diameter: 6.3 mm (0.25 inch)
Cores: 2x2 cores, twisted pairs
Length: up to approx. 100 m (328 ft)

Process temperature

-25 to 135 °C (-13 to 277 °F)

Process pressure

max. 50 bar/725 psi at 135°C/275°F.

pH

Temperature sensor

For digital sensors with inductive plug-head with and without temperature sensor

Ex certification

ATEX II 1G Ex ia IIC T3/T4/T6

FM, CSA IS Cl.1 Div 1 Gr. A-D

ATEX, NEPSI II 3G Ex ic IIC

Ingress protection

IP68

ORP / Redox

Measuring principle

Sensor ORP / Redox

Application

Measuring cable for contactless, inductive, digital transmission of measurement signals.

Installation

Inductive plug- head for digital sensors with Memosens technology and wire terminals or M12 plug to connect to the transmitter.

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ORP / Redox

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Temperature sensor

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Ex certification

ATEX II 1G Ex ia IIC T3/T4/T6

FM, CSA IS Cl.1 Div 1 Gr. A-D

ATEX, NEPSI II 3G Ex ic IIC

Conductivity

Measuring principle

Conductive

Application

Measuring cable for contactless, inductive, digital transmission of measurement signals

Installation

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Characteristic

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Design

Easy to handle Bajonett coupling to connect digital sensors with Memosens technology and plug-head
No open contacts, resistant against humidity

Conductivity

Material

Cable sheath: TPE

Junction box: aluminum

Dimension

Diameter: 6.3 mm (0.25 inch)

Cores: 2x2 cores, twisted pairs

Length: up to approx. 100 m (328 ft)

Process temperature

-25 to 135 °C (-13 to 277 °F)

Temperature sensor

For digital sensors with inductive plug-head with and without temperature sensor

Ex certification

ATEX II 1G Ex ia IIC T3/T4/T6

FM, CSA IS Cl.1 Div 1 Gr. A-D

ATEX, NEPSI II 3G Ex ic IIC

Oxygen

Measuring principle

Amperometric oxygen measurement

Application

Measuring cable for contactless, inductive, digital transmission of measurement signals

Installation

Inductive plug- head for digital sensors with Memosens technology and wire terminals or M12 plug to connect to the transmitter

Characteristic

Inductive, digital transmission of measurement signals and energy

Not influenced by moisture, EMC-fields and corrosion

Oxygen

Design

Easy to handle Bajonett coupling to connect digital sensors with Memosens technology and plug-head
No open contacts, resistant against humidity

Material

Cable sheath: TPE
Junction box: aluminum

Dimension

Diameter: 6.3 mm (0.25 inch)
Cores: 2x2 cores, twisted pairs
Length: up to approx. 100 m (328 ft)

Process temperature

-25 ... 135 °C (-13 ... 277 °F)

Temperature sensor

For digital sensors with inductive plug-head with and without temperature sensor

Ex certification

ATEX II 1G Ex ia IIC T3/T4/T6
FM, CSA IS Cl.1 Div 1 Gr. A-D
ATEX, NEPSI II 3G Ex ic IIC

Disinfection

Measuring principle

Free chlorine

Application

Measuring cable for contactless, inductive, digital transmission of measurement signals

Characteristic

Inductive, digital transmission of measurement signals and energy
Not influenced by moisture, EMC-fields and corrosion

Disinfection

Design

Easy to handle Bajonett coupling to connect digital sensors with Memosens technology and plug-head
No open contacts, resistant against humidity

Material

Cable sheath: TPE
Junction box: aluminum

Dimension

Diameter: 6.3 mm (0.25 inch)
Cores: 2x2 cores, twisted pairs
Length: up to approx. 100 m (328 ft)

Process temperature

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Temperature sensor

For digital sensors with inductive plug-head with and without temperature sensor

More information www.endress.com/CYK10