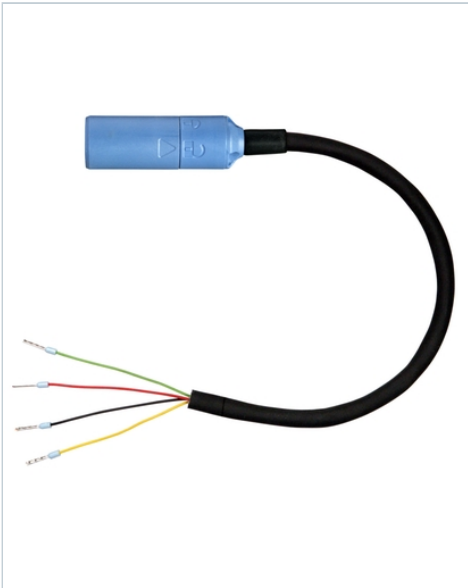


# Digital measuring cable CYK10

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



More information and current pricing:

[www.casc.endress.com/CYK10](http://www.casc.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.

**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

pH

**Characteristic**

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

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**Measurement range**

High impedance cable not necessary

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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

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**Material**

Cable sheath: TPE  
Junction box: aluminum

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**Dimension**

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

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**Process temperature**

-25 to 135 °C (-13 to 277 °F)

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**Process pressure**

max. 50 bar/725 psi at 135°C/275°F.

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**Temperature sensor**

For digital sensors with inductive plug-head with and without 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 nL IIC  
TIIS

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**Ingres protection**

IP68

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pH

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**Additional certifications**

Also available as TÜV approved SIL version

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ORP / Redox

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**Measuring principle**

Sensor ORP / Redox

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**Application**

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

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**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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**Characteristic**

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**Design**

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**Process temperature**

-25 to 135 °C (-13 to 277 °F)

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## ORP / Redox

### Temperature sensor

For digital sensors with inductive plug-head with and without 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 nL IIC  
TIIS

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### Additional certifications

Also available as TÜV approved SIL version

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## Conductivity

### Measuring principle

Conductive

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### Application

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

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### 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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### Characteristic

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

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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

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### Material

Cable sheath: TPE  
Junction box: aluminum

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## Conductivity

**Dimension**

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

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**Process temperature**

-25 to 135 °C (-13 to 277 °F)

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**Temperature sensor**

For digital sensors with inductive plug-head with and without 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 nL IIC  
TIIS

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**Additional certifications**

Also available as TÜV approved SIL version

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## Oxygen

**Measuring principle**

Amperometric oxygen measurement

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**Application**

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

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**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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**Characteristic**

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

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## Oxygen

### Design

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

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### 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)

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### Temperature sensor

For digital sensors with inductive plug-head with and without 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 nL IIC  
TIIS

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### Additional certifications

Also available as TÜV approved SIL version

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## Disinfection

### Measuring principle

Free chlorine

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### Application

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

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## Disinfection

### Characteristic

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

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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

---

### Material

Cable sheath: TPE  
Junction box: aluminum

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### Dimension

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

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### Process temperature

-25 to 135 °C (-13 to 277 °F)

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### Temperature sensor

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

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### Additional certifications

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More information [www.casc.endress.com/CYK10](http://www.casc.endress.com/CYK10)