

CONDUCTIVITY PROBE

PRO-CD

Data
Sheet

DESCRIPTION

The conductivity probes provide a stable and accurate measure and respond to all the needs of precise measurements and effective.

In detail versions are available with built-in temperature sensor with thermo-automatic compensation, designed to be inserted directly in the pipe without requiring additional space for the sensor for sensing the temperature.

The complete series includes several models that are characterized by the cell constant, the temperature sensor and the construction materials

GENERAL FEATURE

Installation standard pipe thread 1/2 "BSP for direct installation in pipe

Working pressure up to 5 bar and 3 bar electrodes PTFE and PVC

Operating temperature 0 to 45 ° C for PVC electrodes and from 0 to 130 ° C for PTFE electrodes

Shielded cable 5 meters long

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| Model | Electrode | Range | Connection | Cell constant | Body |
|------------|-------------|--|------------|----------------------------|------|
| PRO-CD-KJ1 | SS AISI 316 | 1 $\mu\text{s/cm}$ up to 20.000 $\mu\text{s/cm}$ | jack | K=1 cm (1 cm-1) $\pm 5\%$ | PVC |
| PRO-CD-KJ5 | SS AISI 316 | 0,5-1 $\mu\text{s/cm}$ up to 1600 $\mu\text{s/cm}$ | Jack | K=5 cm (0,2cm-1) $\pm 5\%$ | PVC |



| Model | Electrode | Range | Cell constant | Body |
|---------------------|-------------|--|----------------------------|------|
| PRO-CD-K5 | SS AISI 316 | 0,5-1 $\mu\text{s/cm}$ up to 1600 $\mu\text{s/cm}$ | K=5 cm (0,2cm-1) $\pm 5\%$ | PVC |
| PRO-CD-KP5 C/PT1000 | SS AISI 316 | 0,5-1 $\mu\text{s/cm}$ up to 1600 $\mu\text{s/cm}$ | K=5 cm (0,2cm-1) $\pm 5\%$ | PTFE |



| Model | Electrode | Range | Connection | Cell constant |
|---------------------|-----------|---|---------------------------|---------------|
| PRO-CD-K1 | Graphite | 1 $\mu\text{s/cm}$ fino a 20.000 $\mu\text{s/cm}$ | K=1 cm (1 cm-1) $\pm 5\%$ | PVC |
| PRO-CD-KP1 C/PT1000 | Graphite | 1 $\mu\text{s/cm}$ fino a 20.000 $\mu\text{s/cm}$ | K=1 cm (1 cm-1) $\pm 5\%$ | PTFE |



| Model | Operating Temperature | Connection | Range | Bar | Cell constant | Body |
|-------------------------|-----------------------|------------|--|------------|-------------------------------|-------------|
| PRO-CKA 0,1 with PT1000 | Max 200°C | 3 / 4" GAS | 0,1 $\mu\text{s/cm}$ up to 2.000 $\mu\text{s/cm}$ | Max 17 BAR | K=0,1 cm (0,1 cm-1) $\pm 5\%$ | SS AISI 316 |
| PRO-CKA 1 with PT1000 | Max 200°C | 3 / 4" GAS | 1 $\mu\text{s/cm}$ up to 20.000 $\mu\text{s/cm}$ | Max 17 BAR | K=10 cm (10 cm-1) $\pm 5\%$ | SS AISI 316 |
| PRO-CKA 10 with PT1000 | Max 200°C | 3 / 4" GAS | 10 $\mu\text{s/cm}$ up to 200.000 $\mu\text{s/cm}$ | Max 17 BAR | K=10 cm (10 cm-1) $\pm 5\%$ | SS AISI 316 |



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| Model | Operating temp. T° | Body | Range | Pressure | Cell Constant | Electrodes |
|--------------------|--------------------|------------------|---------------------------------|-----------|-------------------------|------------|
| PRO-CKG 0,1 | Max 100°C | Glass Ø 12 mm | 0,1 µs/cm up to 2.000 µs/cm | Max 2 BAR | K=0,1 cm (0,1 cm-1) ±5% | Platinum |
| PRO-CKG 1 | Max 100°C | Glass Ø 12 mm | 1 µs/cm up to 20.000 µs/cm | Max 2 BAR | K=10 cm (10 cm-1) ±5% | Platinum |
| PRO-CKG 10 | Max 100°C | Glass Ø 12 mm | 10 µs/cm up to 200.000 µs/cm | Max 2 BAR | K=10 cm (10 cm-1) ±5% | Platinum |



| Model | Operating temp. T° | Body | Range | Pressure | Cell Constant | Electrodes |
|--------------------|--------------------|------------------|---------------------------------|-----------|-------------------------|------------|
| PRO-CKE 0,1 | Max 100°C | Epoxy Ø 12 mm | 0,1 µs/cm up to 2.000 µs/cm | Max 2 BAR | K=0,1 cm (0,1 cm-1) ±5% | Platinum |
| PRO-CKE 1 | Max 100°C | Epoxy Ø 12 mm | 1 µs/cm up to 20.000 µs/cm | Max 2 BAR | K=10 cm (10 cm-1) ±5% | Platinum |
| PRO-CKE 10 | Max 100°C | Epoxy Ø 12 mm | 10 µs/cm up to 200.000 µs/cm | Max 2 BAR | K=10 cm (10 cm-1) ±5% | Platinum |

