

Analog pH sensor Orbipac CPF81

Compact electrode for wastewater, primaries and metal



More information and current pricing:

www.be.endress.com/CPF81

Benefits:

- Suitable for flow and immersion installation
- Long time stable: Second electrolyte bridge for better protection against electrode poisoning ions such as S^{2-} or CN^-
- Robust polymer housing protects against mechanical damage
- Optional flat membrane suitable for high flow rates, fibrous media, and mining applications

Specs at a glance

- **Measurement range** pH 0-14
- **Process temperature** -10°C - 110°C (14°F - 230°F)
- **Process pressure** max. 10 bar (145 psi)

Field of application: Orbipac CPF81 is the analog simple solution for pH measurement in harsh environments. It measures reliably and accurately even in fibrous media and at high flow rates. With its integrated assembly, the electrode saves you space and time during flow or immersion installation.

Features and specifications

pH

Measuring principle

Potentiometric

Application

Water, waste water, process, galvanic

pH

Characteristic

Resistent against electrolyte poisoning and dirt repellent gel-electrode including process connection NPT 3/4". Optional with amplifier.

Measurement range

pH 0-14

Measuring principle

Gel-compact electrode with double chamber reference system, kalium nitrate bridge electrolyte and PTFE-diaphragm.

Design

Compact electrode in PPS housing with NPT3/4" process connection.

Material

PPS / glass / PTFE

Dimension

Length: 120 mm
(4.68 inch)

Process temperature

-10°C - 110°C
(14°F - 230°F)

Process pressure

max. 10 bar
(145 psi)

Temperature sensor

Optional with integrated Pt100.

Ex certification

ATEX
FM

Connection

TOP68 connection head or fixed cable

pH

Ingres protection

IP68

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