

Analog ORP sensor Orbipac CPF82

Compact electrode for wastewater, primaries
and metal



More information and current pricing:

www.endress.com/CPF82

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^- ions
- Robust polymer housing protects against mechanical damage

Specs at a glance

- **Measuring range** -1500mV - -1500mV
- **Process temperature** -10°C - 110°C (14°F - 230°F)
- **Process pressure** max. 10 bar (145 psi)

Field of application: Orbipac CPF82 is the analog simple solution for ORP measurement in harsh environments. Its large, dirt-repellent PTFE diaphragm guarantees low maintenance while its integrated assembly saves space and time during flow or immersion installation.

Features and specifications

ORP / Redox

Measuring principle

Sensor ORP / Redox

Application

Water, waste water, process, galvanic

Characteristic

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

ORP / Redox

Measuring range

-1500mV - -1500mV

Measuring principle

Gel-compact electrode with double chamber reference system, potassium nitrate bridge electrolyte and PTFE-diaphragm, platinum pin

Design

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

Material

PPS / glass / PTFE, platinum

Dimension

Length: 120´mm
(4.68 inch)

Process temperature

-10°C - 110°C
(14°F - 230°F)

Process pressure

max. 10 bar
(145 psi)

Connection

TOP68 connection head

Ingress protection

IP68

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