

# Analog ORP sensor Orbipac CPF82

Compact electrode for wastewater, primaries and metal



More information and current pricing:

[www.apsc.endress.com/CPF82](http://www.apsc.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

- **Measurement 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

**Measurement 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

**Ingres protection**

IP68

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