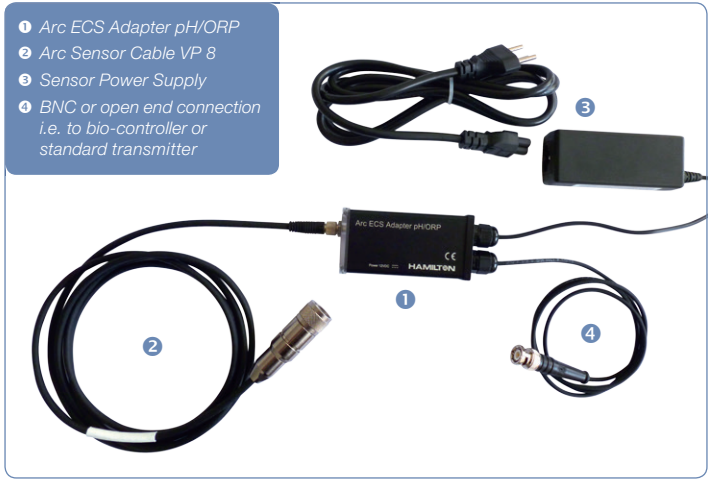
Arc ECS Adapter pH / ORP Description

1. *Arc ECS Adapter pH/ORP*
2. *Arc Sensor Cable VP 8*
3. *Sensor Power Supply*
4. *BNC or open end connection i.e. to bio-controller or standard transmitter*



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Arc™ ECS Adapter

Quick Guide

The ECS Adapter converts the digital signal from the pH Arc or ORP Arc electrochemical sensors to the classic mV signal so that you can connect to the classical measuring device, i.e., bio-controller or standard transmitter.



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Technical Data Arc ECS Adapter pH / ORP

Measuring Range pH	+/- 600 mV
Measuring Range ORP	+/- 1500 mV
ECS* resolution pH	300 µV
ECS resolution ORP	700 µV
Analog output accuracy	+/- 5mV + 1% measuring value
Operating Temperature	0 to 50°C
Output Impedance	10 kΩ (ORP) – 20 MΩ (pH)
Power Supply	Input: 100-240 VAC, 1.5 A, 50-60 Hz Output: 12 VDC, 3.0 A
Temperature output	None
Error & Warning indication	LED indication (3 LED`s), ECS interface (analog output) and output impedance

**ECS (electrical chemical signal)*

Note: In an electromagnetically noisy environment, it is advisable to connect the Arc sensor Cable VP8 shield to the ground. This significantly improves noise immunity and signal quality.

Disposal

The design of Hamilton products optimally considers environmental compatibility. In accordance with the EC guideline 2002/96/EG Hamilton products that are worn out or no longer required must be sent to a dedicated collection point for electrical and electronic devices, alternatively, must be sent to Hamilton for disposal. Products must not be sent to an unsorted waste disposal point.

LED status on the Arc ECS Adapter pH / ORP

The Arc ECS Adapter and sensor is performing correctly.
No errors or warnings have been registered.*

A warning has been registered.
Verify the sensor errors and warnings in Sensor Status.*

Error: No communication between the sensor and the Arc ECS Adapter. This may be due to a hardware failure. In case of Error the ECS Adapter analog output signal indicate to 650mV for pH and 1550mV for ORP.*

**When the LED blinks the Arc ECS Adapter tries to re-establish the Arc sensor communication.*

Parts and Accessoires

Part Number	Description
243168 – xx	Arc ECS Adapter pH/ORP BNC
243169 – xx	Arc ECS Adapter pH/ORP open end
242176	Arc Sensor Cable M8 4-pole 1m
01	EU power cord
02	CH power cord
03	US power cord
04	UK power cord
05	AUS/NZ power cord