

EU Declaration of Conformity Arc™ Sensors (including VisiFerm)

We Hamilton Bonaduz AG, CH-7402 Bonaduz/Switzerland confirm that the following products

Product families **pH Arc sensors** (including MecoTrode Arc)
 ORP Arc sensors
 DO Arc sensors (including VisiFerm DO)
 Conducell Arc sensors (excluding SU)
 Incyte Arc sensors (excluding SU)

Item Number REF See product list

meets the following EU directives (including all applicable amendments):



EMC Directive 2014/30/EU

RoHS 2 Directive 2011/65/EU + 2015/863/EU

Applied company quality management system
EN ISO 9001: 2015

Certification Body
TÜV Rheinland Industrie Service GmbH
Am Grauen Stein 29
D-51105 Köln-Poll, Germany

Applied standards

EMC Directive

EN 61326-1: 2013


Emission: Class B

Immunity: Industrial electromagnetic environment

RoHS 2 Directive:

EN IEC 63000: 2018

Additional Information:

Concerning China RoHS ("Restricted Use of Hazardous Substances in Electronic and Electrical Products"), the sensors listed here are marked with . For the Hazardous Substances Table, see www.hamiltoncompany.com

Authorize department for
technical documents:

HAMILTON Process Analytics

Hamilton Bonaduz AG

Dr. Philipp Arquint
Vice President Process Analytics

Bonaduz, **2024-11-28 17:00 PhA**

EU Declaration of Conformity

Arc™ Sensors (including VisiFerm)

pH Arc Sensors

This Declaration of Conformity applies to all Hamilton pH Arc sensors where the product name is in agreement with the following generic product name definition:

Polilyte Plus * Arc *****

EasyFerm Plus * Arc *****

EasyFerm Bio * Arc *****

MecoTrode * Arc *****

How to read this generic product name definition?

a) The 1st group of *** represents the type of pH glass used:
for example "PHI", "HF", "H" or others

If the pH glass is not explicitly mentioned in the product name, then

- EasyFerm Plus is equipped with PHI glass
- EasyFerm Bio is equipped with HB glass
- Polilyte Plus and MecoTrode are equipped with H glass

b) The second group of *** represents the a-length of the sensor, for example "120" (mm). The a-length must be within 50 to 600 mm.

MecoTrode *** Arc Sensors

REF	Sensor
10110152	MecoTrode H Arc 120
divers	MecoTrode H Arc ***

ORP Arc Sensors

Ref	Sensor
243050	EasyFerm Plus ORP Arc 120
243051	EasyFerm Plus ORP Arc 225
243052	EasyFerm Plus ORP Arc 325
243053	EasyFerm Plus ORP Arc 425
divers	EasyFerm Plus ORP Arc ***
243060	Polilyte Plus ORP Arc 120
243061	Polilyte Plus ORP Arc 225
243062	Polilyte Plus ORP Arc 325
243063	Polilyte Plus ORP Arc 425
divers	Polilyte Plus ORP Arc ***

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DO (Dissolved Oxygen) Arc Sensors (including VisiFerm)

This Declaration of Conformity applies to all Hamilton dissolved oxygen DO Arc sensors where the product name is aligned with the following generic product name definition:

VisiFerm DO Arc * xx**

VisiFerm DO ECS * xx**

VisiFerm DO SU Arc ***

VisiWater DO Arc 120 FCyy

VisiWater DO P Arc FCyy

OxyFerm FDA Arc ***

OxyGold G Arc ***

OxyGold B Arc ***

Note 1: *** represents the a-length of the sensor, e.g "120" (mm).
The a-length must be within 120 to 600 mm.

Note 2: The xx represents the sensing device

Note 3: the yy represents the length of the fixed cable, yy = 0..25m

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Conducell Arc Sensors

This Declaration of Conformity applies to all Hamilton Conducell 4U*F Arc sensors where the product name is aligned with the following generic product name definition:

Conducell 4U*F	**	***		
			a-length [mm]	(mandatory)
			- up to 900 mm	
			sensor head	(mandatory)
			- Arc	
			- Arc TC 1.5	
			electrode material	(mandatory)
			- S	stainless steel
			- H	hastelloy
			- T	titanium
			- Pt	platinum

In addition to the generic product name definition the following products are also certified:

Ref	Sensor
242159	Conducell 4USF Arc PG-120
242160	Conducell 4USF Arc PG-225
242161	Conducell 4USF Arc PG-325
242162	Conducell 4USF Arc PG-425
divers	Conducell 4USF Arc PG-***
243578	Conducell UPW Arc TC 1.5"
243579	Conducell UPW Arc PG 13.5
divers	Conducell UPW Arc TC 1.5" ***
divers	Conducell UPW Arc PG 13.5 ***

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Incyte Arc Sensors

This Declaration of Conformity applies to all Hamilton **Incyte Arc sensors** where the reference number is aligned with the following generic product name definition:

Ref	Sensor
243950-0**1	Incyte Arc 120
243950-0**2	Incyte Arc 220
243950-0**3	Incyte Arc 320
243950-0**4	Incyte Arc 420

	License(s)	(mandatory)
	- 00	none
	- 01	Recording
	- 10	Scan
	- 11	Scan + Recording
	- 20	Scan + Correlation
	- 21	Scan + Correlation + Recording