



TECHNICAL DATASHEET

DIGISENS SENSORS

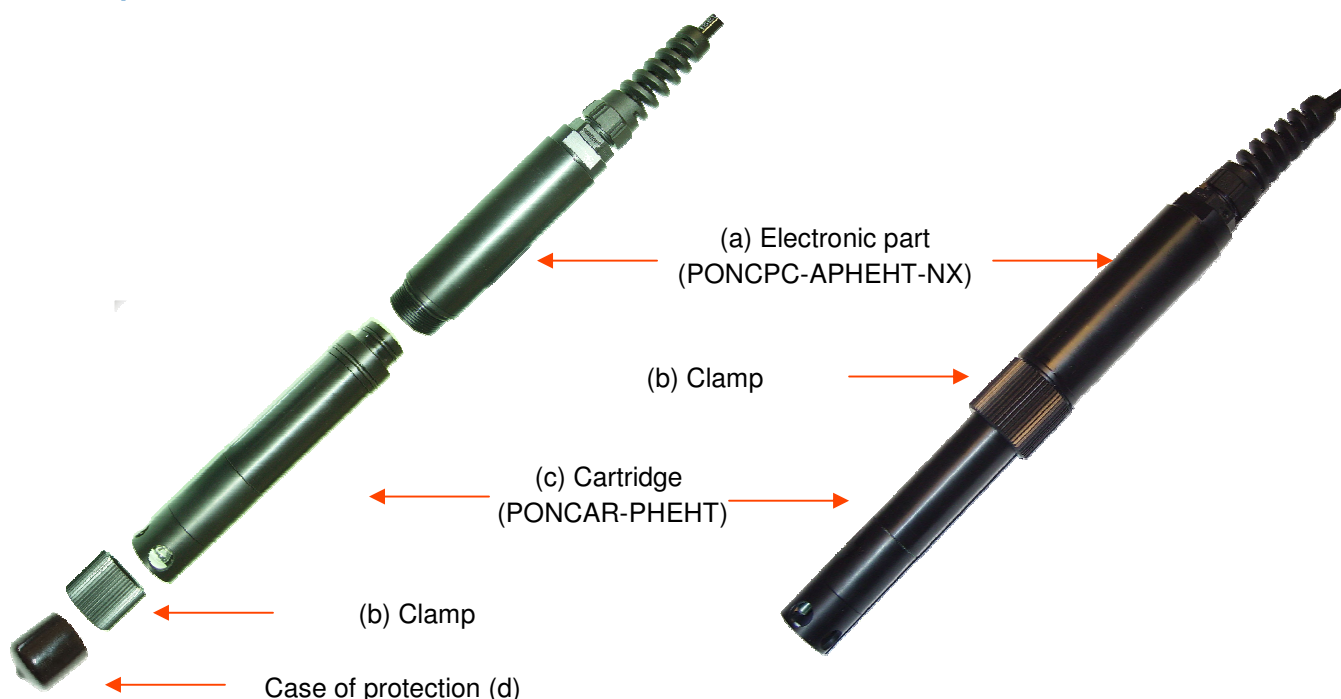
Change of the cartridge of PHEHT sensor

► Context :

The following notice is a guide for the replacement of the cartridge of the digital sensor PHEHT (Serial number : SN-PPHRA-XXXX).

The sensor pH / ORP / T °C PONSEL in 2 parts consists of an electronic part (PONCPC-APHEHT-NX) and a "consumable" part called cartridge (PONCAR-PHEHT). During the delivery of a complete sensor, the sensor is composed about 2 parts and when the reference plastogel is exhausted, only the consumable part must be changed.

► Description of the sensor PHEHT :



Sensor unsettled

The electronic part contains the cable of connection with standard measurement of 3, 7 or 15 meters (other lengths can be realized on inquiry).

The cartridge which is the replaceable element contains the special pH glass, the ORP and the Temperature. Protect the sensor when it is not used by means of the case of protection (d).

The clamp (b) is positioned between the electronics and the cartridge parts to make a united and waterproof system.

Assembled sensor

Vue de la partie basse de la cartouche.



➤ Replace of the cartridge

The principle of measure integrates a reference electrode type Ag/AgCl, used for the measures of pH and ORP, into plasticized electrolyte saturated in KCl " PLASTOGEL " ®

The electrolyte " PLASTOGEL " ® communicates directly with the outside environment without interposition of capillary or porous. There is thus no risk of closing or dismantling of the reference.

Plastogel tends to become impoverished in KCl according to the use of the sensor PHEHT. When the Plastogel is exhausted, the probe does not answer any more the variations of pH and/or is very slow to stabilize. In that case, it is necessary to proceed to the change of the cartridge.

Stage 1 : Dismantling of the sensor PHEHT.

Scheme 1: to remove the protective cap (d) from the probe PHEHT may maintain the electronic part (a) in a hand and undo the clamp (b) of the other hand (**Scheme 2**). Remove the clamp (**Scheme 3**) may hold the electronic part (a) in a hand and remove the cartridge with the other hand (**Scheme 4**)..



Scheme 1



Scheme 2



Scheme 3



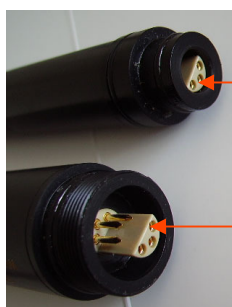
Scheme 4

Stage 2 : Reassembly of the PHEHT sensor.

Hold the electronic part in one hand, place the connector in the shape of half-moon of the new cartridge PHEHT (d) in front of the connector of the electronic part and fit both parts (**Scheme 5**).

Remove the case of protection then replace the clamp on the sensor by maintaining the sensor by the electronic part. End by tightening clamp

Proceed to a complete calibration to configure the sensor with his new cartridge.



Scheme 5

Connector half-moon of the cartridge

Connector half-moon of the electronic part