

## ORDINARY WORK PROCEDURE

### pH PROBE CLEANING AND CALIBRATION



**CODICE: ECOPWO-001-EN-R20.0**

WRITTEN IN ENGLISH



Note: this procedure, provided free of charge, can be changed by Ecoteam at any time without giving information or disclosure, so you are asked to check and possibly download the latest version.

**ASSUMPTION:**

This procedure is intended to provide information on pH probe cleaning and calibration.

It remains the obligation of the D.L. risk assessment

**FIELD OF APPLICATION**

pH probe cleaning and calibration.

**CONTACT THE ASSISTANCE SERVICE**

<b>Manufacturer</b>	<b>Ecoteam S.p.A.</b>
<b>Adress</b>	<b>Via del Padule, 23/F 50018 Scandicci – Firenze – ITALIA</b>
<b>P.IVA</b>	<b>03984330484</b>
<b>Phone</b>	<b>+39 055 73 555</b>
<b>Fax</b>	<b>+39 055 73 55 55 00</b>
<b>Internet web side</b>	<b><a href="http://www.ecoteam.it">www.ecoteam.it</a></b>
<b>E-mail</b>	<b><a href="mailto:info@ecoteam.it">info@ecoteam.it</a></b>
<b>PEC</b>	<b><a href="mailto:ecoteamspa@legalmail.it">ecoteamspa@legalmail.it</a></b>

Tabella 1 “ECOTEAM spa - info”

## REVISION LIST

Revisione	Data	Note
20.0	1/1/2020	

Tabella 2 "Revision List"

## DISTRIBUTION LIST

Name	Job	Date	Signature

Tabella 3 "Distribution list"

**SUGGESTED SPECIAL TOOLS**

<p><b>Standard pH calibration solution</b></p>	 <p style="text-align: center;"><b>Indicative image</b></p>




**pH PROBE CLEANING AND CALIBRATION [pH]**



<p>1. Remove the probe holder from the housing</p>	
<p>2. Remove the probe protection system</p>	
<p>3. Clean the probe with a soft cloth 4. Check that the probe is clean and not damaged 5. If the probe is dirty you can wash it with a mild solution (1-3%) of hydrochloric acid or sodium hydroxide 6. Wash the probe with demineralized water 7. If the probe is damaged, replace it</p>	
<p>8. Check the probe reading to verify the deviation from the standard values in order to understand the degree of deterioration of the reading. If the reading has a difference of less than 0.3, the probe presents an acceptable error If the reading has a difference between 0.3 and 0.5 the probe exhibits a significant but non-critical error If the reading has a difference greater than 0.5 the probe has a high error in the qualification intensify reduce the interval between the maintenance of the probe in order to verify and reduce the error in the process.</p>	

9. Proceed to calibrate the probe as described in the specific manual	
<p><b>Remember</b></p> <p>If the probe works mainly in an acid environment, the calibration points are 4 and 7</p> <p>if the probe works mainly in an alkaline environment, the calibration points are 7 and 10</p>	
10. If the calibration operation ends with an error, proceed with a new cleaning and calibration and / or replace the probe.	
11. If the calibration operation ends correctly, proceed to mount the protection and insert the probe holder in the specific housing.	
<p><b>Technical note:</b></p> <p><b>If the replace operation is frequent, it is necessary to check the reasons.</b></p>	

	<b>DANGER: pollution</b>
	Dispose used probes according to local regulations