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1. First installation

The MMC cards supplied with the BAMOPHOX logger monitors are ready to use.

CAUTION: MMC cards supplied are for use exclusively on BAMOPHOX Loggers In case of use for other purpose (such as memory card on camera, files saving on PC, etc.) the data from PHOXLOG wont be loaded anymore until the format is done once more (data ill be loosen).

Erasing the file Bamophox.log on MMC card can be done only from the menu on PHOXLOG software. - Never use Windows explorer to erase or rename the file Bamophox.log on MMC;

- Never format the MMC card from Windows tools.

Please follow the operation order as here under, do not insert the MMC before:

- 1. Connect the BAMOPHOX Logger model to the main supply.
- 2. Check the clock through the main menu.
- 3. Choose the recording period.
- 4. Locate the MMC card on the upper cabinet (wall mounting) or on the rear of the panel mounting model only when the red LED is off. Moving the MMC card when the red LED is lighting (recording sequence data) could damage all data.





5. Data recording is done every x minutes: the red LED lights on when in record mode during 5 seconds. When red LED is lighting do nor insert or extract the MMC card.

Note: without a MMC the logger will not record any data.

2. EXTENSION WIRING

Wiring from wall or panel mounting BAMOPHOX to an Extension terminal BAMOPHOX







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To install PHOXLOG software, you may use: - CD supplied with the BAMOPHOX or, - downloaded version from <u>http://www.bamo.fr</u> Necessary files:
 PHOXLOG.CAB SETUP.EXE SETUP.LST From setup.exe you begin the installation.
Image: installation: to quit the install program Current l'installation: to quit the install program Charge: de dossier: to change file for PHOXLOG software localisation Image: de dossier: to change file for PHOXLOG software localisation Image: de dossier: to change file for PHOXLOG software localisation Image: de dossier: to change file for PHOXLOG software localisation Image: de dossier: to change file for PHOXLOG software localisation
To change file for PHOXLOG software localisation: Groupe de programme: name of new software PHOXLOG Groupe sexistants: existing software Continuer: continue Annuler: cancel

BAMO mesures

4.1.	Files				
Existing	g files in BA	AMO_PHC	DXLOG		
- Conf - Instf - Phox - Port - Save - Stgl	FIG.TXT RUM1.BMP KLOG.EXE ICOM.DAT DATA.DAT JNST.LOG	Г			
		It is nec the data These c allow yo	essary you create your own files to keep safely a without a risk to delete an original record. original record files cannot be corrupted, they will but to prove the historical of measurements.	- Original records - pH measurement - Flow rate measurement - etc	
5. The BA Record Throug The so parame This file	Data I MOPHOX Is are saved h a MMC re ftware crea eter (pH, flo e is a text ty	oading Logger re d in a file r eader, this tes 1 or 2 w,) plus ype file, it	cords measurements on a Multi Media Card (MMC). named: BAMOPHOX.LOG. s file is saved on a PC and access to data is done with the software PHOXL0 files (the second would be for the extension -blind BAMOPHOX- when exist the serial number of the BAMOPHOX (example: ph-metre_20691-01.xls). could be read by any word processor or data sheet processor. Its extension	OG. ting) with a name corresponding to the m is .xls for a quick opening in Excel.	nain
How to	proceed:				
- Insert	the MMC i - Card re	n the card eading	reader		
		a)	 Copy the file BAMOPHOX.LOG from the MMC Save this file to your "Original records" rename it (date, station,) still with the extension .LOG 		
			Close the window		
		b)	 open PHOXLOG in LOGGER choose the application "Extraction données" = Data Extraction Then choose your file in "Enregistrements inviolables" = Original files Then confirm "Extraction". 	ion	
			Close the window		
l					page 7
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6. Data presentation

How to proceed:

a)

b)

When data are loaded (please refer to § 5):

- open the file BAMO_PHOXLOG
 select the file(s) with extension .xls
 rename the file(s) if necessary
 - Or double click to open it

From Original files (cannot be corrupted)

- open the application PHOXLOG
 - in LOGGER choose the application "Extraction données" = Data Extraction Then choose "Enregistrements inviolables" = Original files
 - select the file *.LOG on the left side window - then "EXTRACTION"
 - When ready, valid "OK

- Quit the application PHOXLOG

To work with your data: same as a) sequence in the file BAMO_PHOXLOG



PHOXLOG V 2.14	
Init/RAZ fichier Extraction Données	Data extraction
S PHOXLOG V 2.14	
PHOXLOG V 2.14 [fichie	r logging]
⊂ Sélection du fichier	
STEUNST.LOG RAZ Fichier	C: Program Files BAMO_PHOXLOG Extraction
B PHOXLOG V 2.14	
PHOXLOG V 2.14 [fichier logging]	
⊂ Sélection du fichier	
ST6UNST.LOG	s DXLOG s lenregistrement
RAZ Fichier	Extraction
	Abandon
	Eichier Edition Affichage Insertion Format Qutils Données
	4 Contraction of the second se
	5 Date Heure pH TC 6 21/08/2005 11:49 6,22 20
	7 21/08/2005 11:50 6,16 20 8 21/08/2005 11:51 7,15 20
	9 21/08/2005 11:52 7,92 20 10 21/08/2005 11:53 8,04 20



7. **MMC** card

To procure more space on the MMC it is necessary to delete old recorded data.

This can be don	e only from the PHOXLOG:	
PHOXLOG V 2	.12	
Fichier Configuration	Mesure Logger	
	B DHOVIOC V 2.12 [fichiar leasing]	
	Sélection du fichier	
	Station 3 sem 12, 2005.loc C:	
	C Pring: Logger	
	DAT Cables	
		Abandon
Choose: "Extrac	tion" 12	
Fichier Configuration	Mesure Logger	
	D DUOVLOC V 2 42 (Gabier Jackier)	
	PHOALOG V 2.12 [TICHIEF togging]	
	Sélection du fichier 9 : 23/0/0 16:15 2	262 171 00129188
	Station 3 sem 12_2005.log	
	Chings Logger	
		2
	BA7 Eichiar Extraction	
	Exaction Fin d'extraction	
	OK	Abandon

Choose OK, files are now on C:\Program Files\BAMO_PHOXLOG Close the window through "ABANDON" = Cancel

- the original files are on MMC

- they are saved on your PC: file 3 sem 12_2005.log in C:\Enreg. Logger - the files with extension .xls are in C:\ Program Files\BAMO_PHOXLOG

To erase the MMC, please follow the next sequences.

In PHOXLOG, choose Logger then "Init/RAZ fichier"= init/erase file

PHOXLOG V 2.12 Fichier Configuration Mesure Logger Init/RA2 fichier Extraction Données	
Look for BAMOPHOX.LOG in MMC PHOXLOG V 2.12 Fichier Configuration Mesure Logger	
PHOXLOG V 2.12 [fichier logging] Selection du fichier g g RAZ Fichier Extraction	
Then choose "RAZ Fichier" = delete file	

PHOXLOG V 2.12 Fichier Configuration Mesure Logger	
Sélection du fichier	9 : 23/0/0 16:15 262 171 00129188
RAZ Fichier Extraction	OX_Logging 🛛 Confirmer la RAZ

Choose "Oui" = Yes, then "ABANDON" = Cancel. Close the software PHOXLOG.

The MMC is ready for the next recording period.

The file C:/Enreg.logger will be useful to save original files (every week for instance) and let you re-create the Excel files at any time.

APPENDIX

 Parameters available for pH, ORP, Resistivity, Conductivity, Concentration, Chlorine, Dissolved Oxygen, Turbidity: 1 record is: DATE / TIME / MEASUREMENT /TEMPERATURE

 Parameters available for Flow rate: 1 record is: DATE / TIME / MEASUREMENT /TEMPERATURE / TOTALIZATION

 Number of records: MMC is 32 Mo capacity used on PHOXLOG format, identical to 31 948 800 octets. 1 record use (main instrument or main instrument + extension unit) 21 octets Records available: 1 521 371

 For a 128 Mo MMC there are 6 085 484 records available.

 CAUTION: be careful not to overpass the spreadsheet capacity for data presentation if it is not an Excel data procesor. . - Excel is 178 000 lines, if you record once every minute during 123 days the total number of records is 1 x 60 x 24 x 123 --> 177 120 records

MESURES



Port Viesse Parité Stop © Com1 © 9600 © SANS © 1 © Com2 © 2400 © MPAIRE © 2 © Com3 © 2400 © IMPAIRE © 2 Valider Abandon	Pot Vtesse Parité Stop © Com1 © 9600 © SANS © 1 © Com2 © 2400 © IMPAIRE © 2 © Com3 © Com4 © 2400 © IMPAIRE © 2 Valider Abandon Valider Abandon Suivi des mesures Monitoring pH Final 5.82 pH 20,0 °C Débit de Sortie Volume Journalier 11 m3 Volume Cumulé 11 m3 188 m3		🖻 Configurat	tion (Liaison séri	ie)		
Con1 9600 SANS 1 Com2 4800 PAIRE 2 Com3 2400 IMPAIRE 2 Valider Abandon 2.10 [Mesure] Abandon Suivi des mesures MOnitoring pH Final 5.82 pH 20.0 °C Débit de Sortie 1.44 m3/h 20.0 °C Volume Journalier 11 m3 Volume Cumulé 11 m3 188 m3 1	Com1 9600 SANS 1 Com2 2400 HPAIRE 2 Com3 Com4 HPAIRE Abandon Valider Abandon Abandon 2.10 [Mesure] MOnitoring Abandon Débit de Sortie Volume Journalier 1,44 m3/h 20,0 °C 1,1 m3 188 m3 188 m3 188 m3		Port	Vitesse	Parité	Stop	
Com2 C 4800 PAIRE C 2 Com3 C 2400 IMPAIRE Abandon Valider Abandon 10 [Mesure] Abandon Suivi des mesures Monitoring pH Final 5,82 pH 20,0 °C Débit de Sortie Volume Journalier 1,44 m3/h 20,0 °C Volume Cumulé 11 m3 188 m3	C Com2 C 4800 C PAIRE C 2 C Com3 C 2400 C IMPAIRE Impaire Valider Abandon 10 [Mesure] Abandon Suivi des mesures Monitoring pH Final 5,82 pH 20,0 °C Débit de Sortie Volume Journalier Volume Cumulé 11 m3 188 m3		Com1	· 9600	SANS	C 1	
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				Volume	Cumulé	1	88 m3
		1					
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