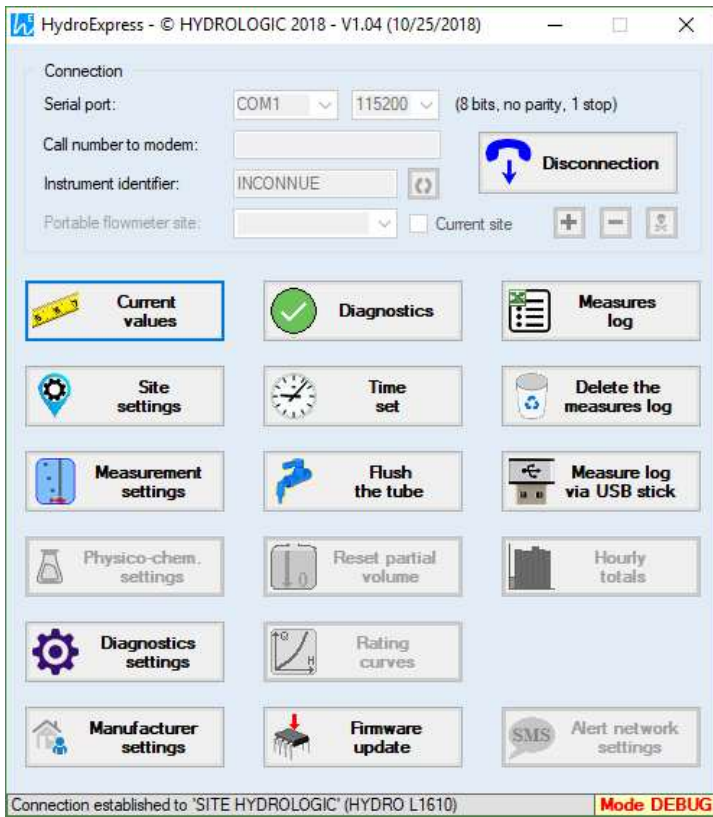


HYDROEXPRESS



DEVICE MANAGEMENT AND OPERATION SOFTWARE HYDROLOGIC HYDRO 1000

- **Limnimeter**
- **Fixed flowmeter**
- **Portable flowmeter**

Local or remote connection by modem.

Without license

**Windows compatible software
XP, 7, 8, 10 in 32 or 64 bits.**

Presented as a single executable file, it does not require an installer and does not require any administrator rights on the PC.

Simple ergonomics :

It consists of a the **first screen** offering

- **The connection**

Features activated by a click on a button :

- Visualization of current set values
- Visualisation and modification of the various parameters
- Collection of history the device with storage with creation of a file at the CSV format of user-defined name and destination
- Collection of device histories stored on USB key with creation of CSV format of of user-defined name and destination
- Specific actions : Purge, clearing history, time setting, clearing partial volume
- Editing level/flow curves, loading into the flowmeter
- Management of a library of level/flow curves.
- Allows archiving and restoring for the transfer of a curve from one device to another

And a **second screen** showing the **result** of the function performed (table of values, additional entries, execution report).

Some examples :

Current values

CURRENT VALUE	Value	Unit
INSTRUMENT		
Instrument clock	10/04/2017 14:02:12	
Instrument diagnostic	OK	
Run time	18446	hours
Logic output status	0 0 0 0 0 0 0	
Operation mode	Normal	
Purge status	Stop	
LEVEL DATA		
Instantaneous value	0.119	m
Average value value	0.120	m
Diagnostic value	OK	
PNEUMATIC		
Instantaneous value	The array has been edited to file C:\TEMP\INCONNUE_ValCour_20171004150205.txt	
Diagnostic value	OK	
Pump operation rate	0.06	%
Pump run time	0	hours
Pump starts	7332	
INTERNAL TEMPERATURE		
Instantaneous value	+23.3	°C
Diagnostic value	OK	
INTERNAL VOLTAGE		
Instantaneous value	12.1	V

Buttons: Refresh, Exit, Edit to C:\TEMP

Visualization with a refresh button
Save the table in a TXT format file

Changing settings

MEASUREMENT PARAMETER	Value	Unit
Level offset	0.000	m
Steady mode - measurement interval	10	seconds
Steady mode - damping period	10	minutes
Steady mode - damping threshold	From 0 to 2000	mm
Gradient high threshold	255	mm/minute
Steady mode - bubble rate	110.0	hPa
Fast rise mode - measurement interval	30	seconds
Fast rise mode - damping period	5	minutes
Fast rise mode - damping threshold	10	mm
Gradient low threshold	0	mm/minute
Fast rise mode - bubble rate	200.0	hPa

Buttons: Record, Exit, Edit to C:\TEMP

Edition of the new value
Transfer to device
Save the table in a TXT format file

Entry of the level/flow curve

Sélection: Courbe utilisateur - MARTIN003
→ C'est la courbe active.

Désignation: Désignation libre de cette courbe utilisateur :
Courbe utilisateur - MARTIN003
Code accessible sur l'appareil : MARTIN003
Définition de la courbe : Par 2 à 21 points Paramétrique

Paramètres:
Coefficient multiplicateur de Q(H) : 3.600000
Unité du débit : m³/h
Résolution d'affichage du débit : 3 décimales

Buttons: Créer, Importer, Supprimer, Charger

H (mm)	Q(H)
0	0.000
1	250.000
2	500.000
3	750.000
4	1000.000
5	1250.000
6	1500.000
7	1750.000
8	2000.000
9	2250.000
10	2500.000
11	2750.000
12	3000.000
13	3250.000
14	3500.000
15	3750.000
16	4000.000
17	4250.000
18	4500.000
19	4750.000
20	5000.000

Buttons: Sauvegarder, Editer dans

Input in parametric formula on the form :

$$Q(H) = A_1 * H^{\alpha_1} + A_2 * H^{\alpha_2}$$

Or by a set of 2 to 21 pairs of points (H,Q(H))



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