Software manual

DULCOMETER®

Multi-parameter Controller diaLog DACa

Supplementary instructions: Web interface/LAN

EN

A1111

Please carefully read these operating instructions before use. · Do not discard.
The operator shall be liable for any damage caused by installation or operating errors.
The latest version of the operating instructions are available on our homepage.

General non-discriminatory approach

In order to make it easier to read, this document uses the male form in grammatical structures but with an implied neutral sense. It is aimed equally at both men and women. We kindly ask female readers for their understanding in this simplification of the text.

Supplementary information

Please read the supplementary information in its entirety.

Information

This provides important information relating to the correct operation of the unit or is intended to make your work easier.

Safety Information

The safety notes include detailed descriptions of the hazardous situation.

The following symbols are used to highlight instructions, links, lists, results and other elements in this document:

More symbols

Symbol	Description
1. ▶	Action, step by step
⇨	Outcome of an action
↳	Links to elements or sections of these instructions or other applicable documents
■	List without set order
[Taster]	Display element (e.g. indicators) Operating element (e.g. button, switch)
'Display /GUI'	Screen elements (e.g. buttons, assignment of function keys)
`CODE`	Presentation of software elements and/or texts

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1 IP Address

Validity of the supplementary instructions

These supplementary instructions are only valid when used in conjunction with the operating instructions for the Multi-parameter Controller diaLog DACa.

IP address

The IP address is an address in computer networks, which, like the internet, is based on the internet protocol (IP). The IP address is assigned manually or automatically (DHCP) to devices when devices are integrated within a network. An IP address makes devices accessible within a network. The IP address of the diaLog DACa controller is the network address at which the web interface of the controller can be accessed in the network.

You can configure the IP address of the controller in the controller's menu. You can choose between manual input and automatic assignment by a DHCP server. Inputting the IP address and the subnet mask is essential with manual input. Details of the gateway and DNS server are optional and dependent on the network to which the controller is connected. If in doubt, request the necessary information from the responsible person within your organisation.

A common private IP configuration might be:

- IP: 192.168.000.001
- Subnet mask: 255.255.255.000

There needs to be a DHCP server within the connected network to enable you to use automatic assignment of the network configuration. When the controller starts up, it requests a valid configuration from the DHCP server and takes over this configuration.

You can then view the IP address assigned by DHCP in the *'Setup'* menu of the diaLog DACa. If a diaLog DACa controller is connected directly to a PC/laptop, check that the PC/laptop does not have DHCP server functionality. Should this be the case, the IP address has to be assigned manually. The PC/laptop then has to be set up for manual assignment of IP addresses. The IP addresses have to lie within the same address range, for example PC/laptop: 192.168.000.010, diaLog DACa 192.168.000.001, both with the subnet mask: 255.255.255.000. A cross-over LAN cable may need to be routed between the diaLog DACa and the PC/laptop depending on the age of the PC/laptop.

2 Main Display

The main display of the web interface provides a complete overview of the current status of the controller. 1 or 2 main channels and possibly the mathematical supplementary channel are displayed depending on the design and configuration of the controller.

Fig. 1: Main display

2.1 Main Display of a Channel

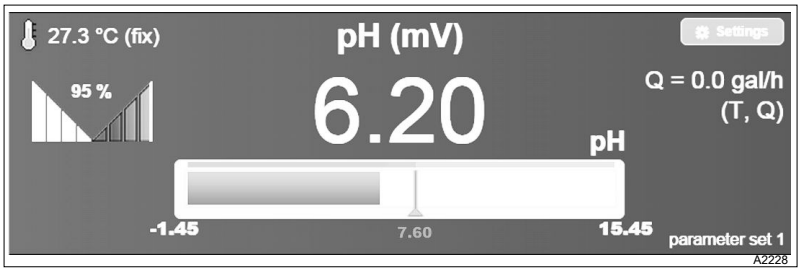

Fig. 2: Main display of a channel

The main displays of a measuring channel provide information on:

- Measured variable
- Measured value
- Current setpoint
- Measuring range limits
- Set alarm limits
- Control variable
- Temperature compensation
- Active parameter set
- Correction variables
- Interference variable (e.g. flow)

Use the *[Settings]* button to change the configuration of a measuring channel if you have the requisite access code for the controller.

2.2 Access Code

Authorisation is needed to operate the controller. Four-digit access codes must be issued in the *'Setup/Access code'* menu of the controller for the various users and the access code of the controller has to be activated for this.

The password entered is transmitted encrypted to the controller.

If no user has been authorised, the web interface merely provides information about the current status. Only authorised users can stop the controller or acknowledge errors.

A login with at least *'Installer'* level of access is needed to change parameters.

2.3 "Start/Stop" Key

Use the Start/Stop key on the web interface to start or stop the controller. This function corresponds to the local Stop key.

The following applies:

- You cannot restart a controller via the web interface, which has been stopped by the local key.
- You cannot restart a controller using the local key, which has been stopped via the web interface.

You can also use the local Start/Stop key to start the controller if it has been stopped via the web interface and the connection to the online page has been disconnected for more then 60 seconds.

The Start/Stop key is only active if a user with a sufficiently high access level is logged on.

2.4 Error Display

Channel 2, Error 02: The mV input voltage is too high

An error display showing all the current errors is located underneath the display of the mathematical channel. The most recent error is displayed in red.

2.5 *'Total Error List'* Key

Pressing the *'Total error list'* key displays the number of current warnings and errors.

2.6 *'Pumps'* Key

Pumps		
①	0	Stroke rate / min
②	122	Stroke rate / min
③	171	Stroke rate / min
④	0	Stroke rate / min

The current stroke rate is displayed for each activated pump output (frequency output).

2.7 *'Current Outputs'* Display

mA output		
①	6.5 mA	4 ... 20 mA
②	0.20 mA	0 ... 20 mA
③	6.5 mA	4 ... 20 mA

The current mode and current being directly emitted at the current output is displayed for an activated current output.

2.8 Limit Value Settings

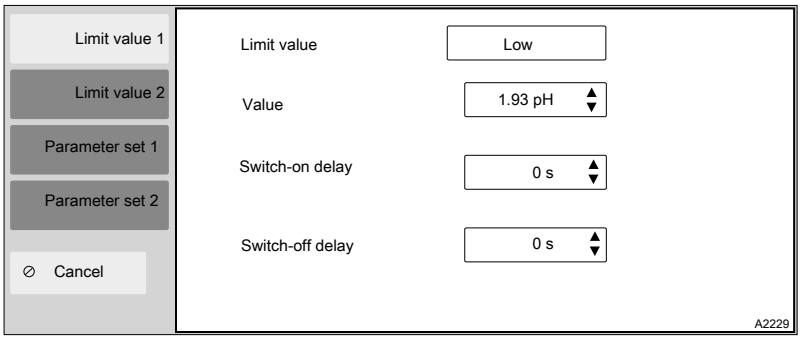

Fig. 3: Limit value settings

You can set two independent limit values for each measuring channel.

You can set:

- Effective direction (upper/lower transgression)
- Limit value
- Switch-on delay
- Switch-off delay

2.9 Control Parameter Settings

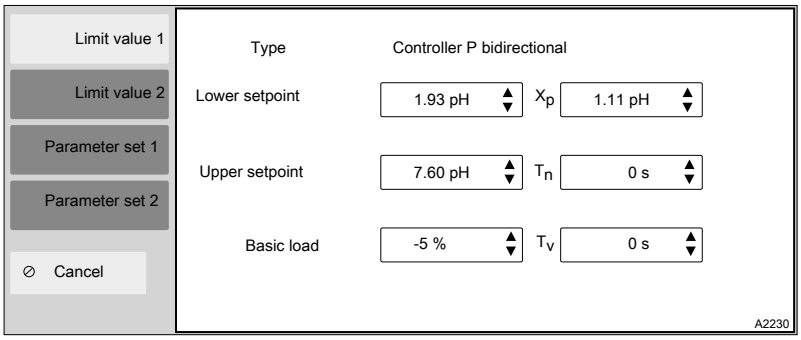

Fig. 4: Control parameter settings

The controller can be adapted depending on the controller type set in the controller. You can set two independent sets of control parameters.

3 Global Error List

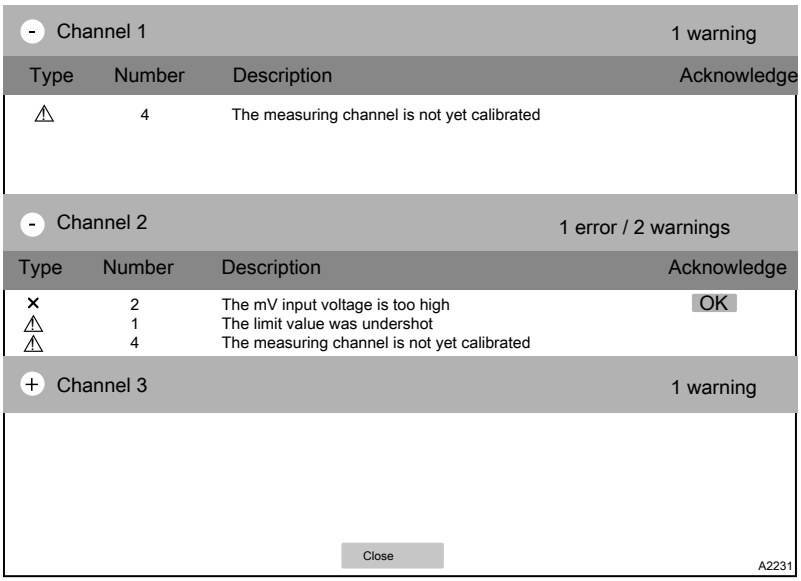

Fig. 5: Global error list

The global error list shows all existing warnings and errors from all activated channels. You can confirm the errors by clicking on *'OK'* if you are logged on as an authorised user.

The error list of a channel is automatically expanded when the error display is opened if there is at least one unconfirmed error. The error list of this channel is hidden if all errors of a channel have been confirmed or are merely warnings, and you can open the error list by clicking on the *'+'* key. The error numbers of the error list correspond to the errors in the controller's local display

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