

CHEMGLASS

pH METER

CG-1872-M-20



OPERATIONS MANUAL

CHEMGLASS

3800 North Mill Road • Vineland, NJ 08360 • USA

Tel: 1-800-843-1794 • Fax: 1-800-922-4361

Web: www.cglifesciences.com

REV: B 2/4/14

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Application: The unit is suitable for measuring and displaying the following for example -

- pH value and/or redox potential.
- Free chlorine, chlorine dioxide, ozone, hydrogen peroxide and peracetic acid, in combination with sensors as per data sheet 202630.
- Refer to “JUMO dTRANS pH 02” manual for additional applications.

Key Features:

- Display: mg/l, pH, mV, uS/cm, etc. Special settings are also possible with the setup program
- Configurable display text (operator level)
- Alarm text with color change
- A choice of display visualizations: large numbers, bar graph or tendency (trend) display
- Four limit controllers
- Integrated calibration routines: with 1, 2 and 3 points
- Calibration logbook
- Selectable languages: English, German, French, etc.
- Setup program provides: convenient programming, system documentation
- Universal side mounting clamp - can be mounted on either side of unit

Technical Data:

- Refer to section 16 “JUMO dTRANS pH 02” manual for all Technical data.
- Fuse - 1Amp, 250V (5x20mm)

3

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- Fuse - 1Amp, 250V (5x20mm)

3



Figure 1

Set up:

- Insert detachable power cord into rear of unit and plug into electrical outlet (AC voltage 110 - 240).
- Connect pH probe to BNC input connector.
- Connect Thermocouple to Thermocouple Receptacle (Pt100, Pt1000) - Use Adapter provided for Thermocouple if needed.
- Turn Main Power Switch to "ON" position - switch will illuminate.
- Refer to "JUMO dTRANS pH 02" manual for operating instructions.

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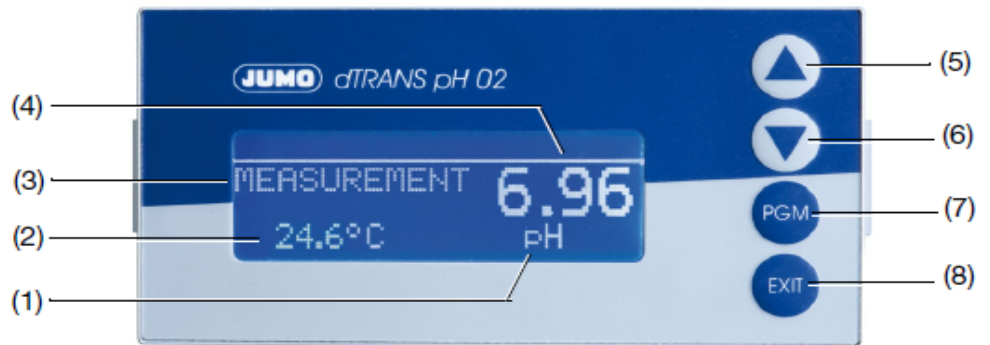
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4

Controls:

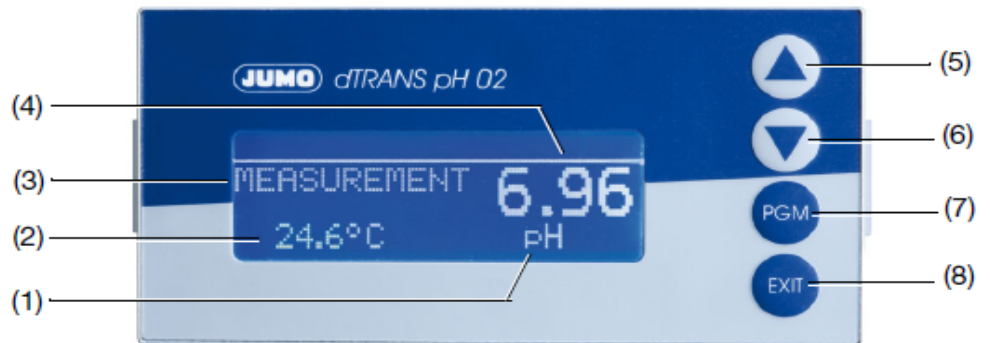


- (1) Measurement unit
- (2) Temperature
- (3) Operating mode
- (4) Measured value
- (5) ▲ key Increase numerical value / Forward selection
- (6) ▼ key Decrease numerical value / Forward selection
- (7) PGM key Change level / Forward selection / Confirm selection
- (8) EXIT key Cancel entry / Exit level

Figure 2

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Controls:



- (1) Measurement unit
- (2) Temperature
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- (4) Measured value
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Figure 2

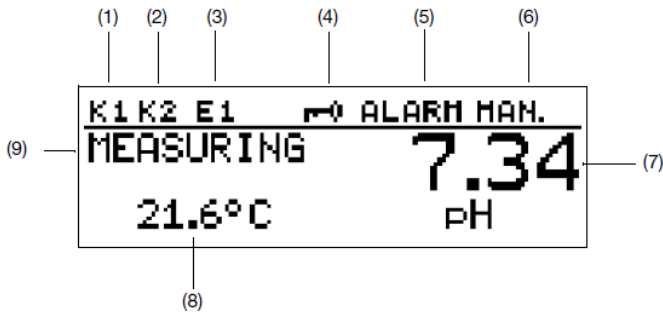
5

Operation


Please Refer to JUMO dTRANS pH02 Controller manual for operation instructions

Display

Measuring mode (normal display)



- (1) Binary output (relay) K1 is active
- (2) Binary output (relay) K2 is active
- (3) Binary input is active
- (4) Keypad is locked
- (5) Instrument status
 - ALARM (flashing): Broken sensor or overrange, etc.
 - AL R1: Controller monitoring alarm from controller channel 1
 - AL R2: Controller monitoring alarm from controller channel 2
 - CALIB: Calibration mode active
 - CALIB (flashing): Calibration timer elapsed
- (6) Output mode
 - MAN.: Manual mode and/or simulation mode active
 - HOLD: Hold mode active
- (7) Top display
Measured value and unit of the variable set by parameter "Top display"
- (8) Bottom display
Measured value and unit of the variable set by parameter "Bottom display"
- (9) Operating mode
MEASURING: Standard measuring mode is active

To return to measuring mode (MEASURING):
Press the  key or wait for a "timeout".

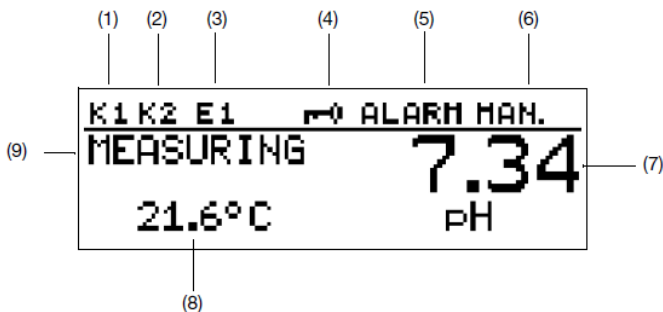
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Operation


Please Refer to JUMO dTRANS pH02 Controller manual for operation instructions

Display

Measuring mode (normal display)








- (1) Binary output (relay) K1 is active
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
To return to measuring mode (MEASURING):
Press the  key or wait for a "timeout".

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Reset to factory settings:

To get to the Administrator level, proceed as follows:

- * Press the  key for longer than 2 seconds.
- * Use the  or  keys to select "ADMINISTR. LEVEL".
- * Use the  and  keys to enter the password 8192.

Confirm the  key.

WARNING:

Customer-specific settings will be lost!

Observe indicators listed in “JUMO dTRANS pH02” manual



Danger

This symbol is used when there may be **danger to personnel** if the instructions are ignored or not followed correctly!









Caution

This symbol is used when there may be **damage to equipment or data** if the instructions are ignored or not followed correctly!

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Chemglass, Chemglass Life Sciences, Warranty and Limitation of Liability

Warranty:

Chemglass, Inc. guarantees this unit against defects in material and workmanship for a period of one year from the date of purchase. If the unit should malfunction, it must be returned for evaluation. If the unit is determined to have a defect in materials or workmanship, then it will be repaired or replaced at no charge. Tampering with the unit or damage resulting from excessive current, heat, moisture, vibration, corrosive materials, or misuse will void this warranty. Programming changes or reconfigurations are not covered under warranty. CGLS shall not be responsible to the original purchaser or any other party or parties for bodily or property loss, damages, or injuries of any kind or nature through either direct or indirect use of the product.

Return Authorization:

CGLS must authorize any return of material. Please contact a customer service representative via the correspondence listed below to obtain a Return Merchandise Authorization (RMA) number. The purchaser is responsible for all packing and shipping to CGLS. If the equipment or material came in contact or was proximate to any biological organism, toxic or corrosive material, or any agent reasonably deemed to be potentially harmful, it must be cleaned and decontaminated prior to receipt by CGLS. The purchaser is obligated to disclose fully in writing, the cleaning and decontamination method. We reserve the right not to accept any unauthorized or potentially harmful shipment.

Correspondence:

Chemglass Life Sciences
3800 North Mill Rd.
Vineland, NJ 08360
USA

Phone: 800-843-1794
Email: customer-service@cglifesciences.com
Web: www.cglifesciences.com



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Chemglass, Chemglass Life Sciences, Warranty and Limitation of Liability

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Chemglass, Inc. guarantees this unit against defects in material and workmanship for a period of one year from the date of purchase. If the unit should malfunction, it must be returned for evaluation. If the unit is determined to have a defect in materials or workmanship, then it will be repaired or replaced at no charge. Tampering with the unit or damage resulting from excessive current, heat, moisture, vibration, corrosive materials, or misuse will void this warranty. Programming changes or reconfigurations are not covered under warranty. CGLS shall not be responsible to the original purchaser or any other party or parties for bodily or property loss, damages, or injuries of any kind or nature through either direct or indirect use of the product.

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