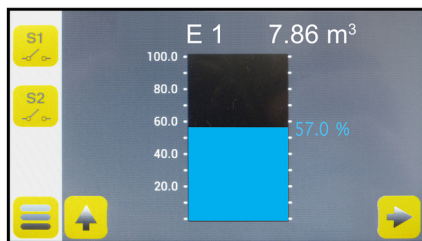


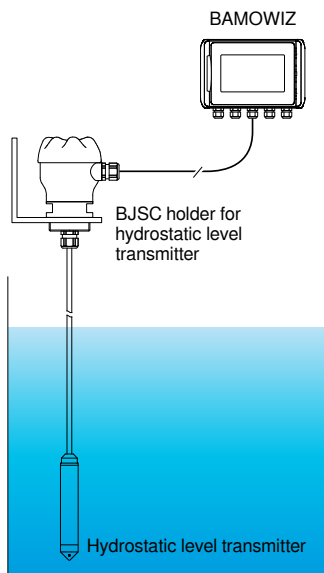
Digital and graphical display BAMOWIZ



Digital display



Graphical display (Bar Graph)



Operating, example

- Graphic color touch-sensitive screen
- Scale units: set on keyboard
- 2 Inputs, 4-20 mA
- 1 Frequency input
- 1 Output 4-20 mA
- 8 thresholds to set, shared by 3 relays
- 1 Serial interface RS485 MODBUS

APPLICATIONS

- Local display of any process (Level, turbidity, pressure, etc.)
- Flow counter and totalizer through frequency input
- Display and monitoring of measurements
- Display of level or volume with possibility of linearization
- Differential between two input signals (example: differential pressure with 2 sensors)

DESCRIPTION

The instrument has a colour touch-sensitive screen to navigate through an intuitive and multilingual menu. BAMOWIZ converts analogue input signals (4-20 mA) and delivers clear information on its large digital and graphic (Bar Graph) display for an easy reading of measurements and thresholds status.

Settings are keyword protected.

BAMOWIZ has a flexibility of use for analysis of input data such as the display of level, volume or a specific parameter (pressure, temperature, turbidity, etc.). The keyboard on the touch screen allows you to set the measuring unit (Example: μS , Ohm, Ω , $^{\circ}\text{C}$, bar, etc.).

Flow-rate indicator and Totalizer with the frequency input: BAMOWIZ accepts pulse signal, for instance from BAMOFLU sensors up to 10 kHz

To resume, BAMOWIZ allows:

- To choose the language
- To set the measurement range
- To choose the unit to display for each input
- To calculate and display the volume inside square or cylindrical tanks, or specific tanks (Linearization with 20 steps).
- To calculate and display the differential between inputs 1 and 2
- To set each of the 8 thresholds
- To assign each thresholds to relay outputs
- Flow-indicator and Totalizer through the frequency input

From graphic display you can access to:

- For each input: Identification (TAG) - Value - Unit
- Synoptic of measurements (Bar Graph)
- Identification and status of each relay
- Display of minima and maxima

TECHNICAL FEATURES

User interface	Graphic color touch-sensitive screen, 4/3 Resolution of 480 x 272 pixels
Languages	English; French; German; Polish; Portuguese; Spanish
Alphanumeric touch keyboard	Dedicated for each language
Displayed measuring units	Set on the the key board
Input signals:	
Analogue signal	2 Inputs for 4-20 mA, 2-wire, with supply to sensors 24 V DC, Max. 3 W, 120 mA (Ri: input load 50 Ω)
Frequency signal	1 Frequency input (0.04 Hz up to 10 kHz)

Outputs:

Relay outputs	3 relays, N.O. contacts, potential free
Switching power	3A / 250 V AC
Hysteresis	To set between 0 and 100 %
Delay	To set between 0 and 9999 secondes
Analogue output signal	1 output 4-20 mA (with or without linearization)
Communication	Serial interface RS485 MODBUS

Other features:

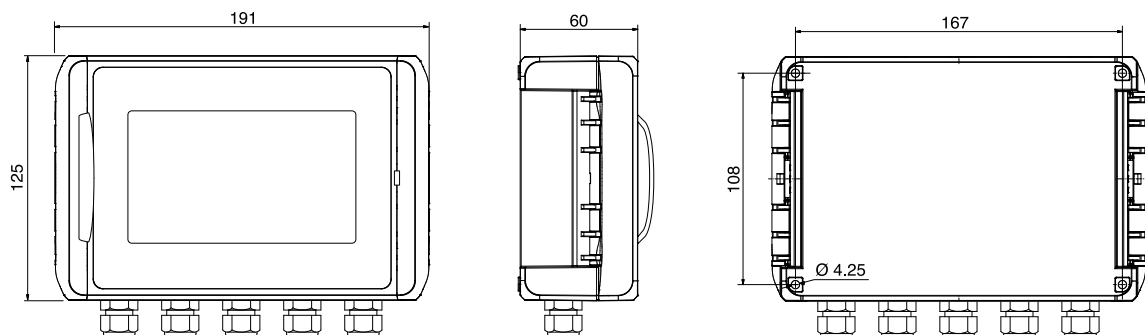
Thresholds	Up to 8 thresholds shared to assign to 3 relays
Linearization	Set with 20 points
Differential	[input 1 - input 2]; Available on display, thresholds
Flow / Totalizer	Flow-rate and Totalizer with pulse signal (Frequency 0.04 Hz up to 10 kHz)
Display	Graphical display (Bar Graph) of measurements Display of min. and max. values
Main power	100 ... 240 V AC 50/60 Hz or 18 ... 36 V DC
Consumption	Max. 10 W
Cable connections	Screw terminals
Cable inlets	5 Cable glands, PG 9
Mounting	IP 65 cabinet, in ABS
Operating temperature	-10 ... +50 °C

EC Conformity: The instrument meets the legal requirements of the current European Directives.

CODE NUMBERS AND REFERENCES

Code	Reference	Power supply
217 213	BAMOWIZ 213	100 ... 240 V AC 50/60 Hz
217 214	BAMOWIZ 213/24	18 ... 36 V DC

DIMENSIONS



8 Av. du Gué Langlois · 77600 Bussy-Saint-Martin
 Tel +33 (0)1 60 37 45 00 Web www.citec.fr
 E-mail citec@citec.fr

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BAMOWIZ

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