



## ANKERSMID Bar-graph display AFM 400

### Application

The Bar-graph display AFM 400 is a perfect device to be combined with the Ultrasonic flow sensor AFM 300 in order to show the flow rate. The display is implemented in an ABS housing suitable for wall-mount or DIN-rail.

### Description

The bar-graph display is an indicator/panel meter for acquisition and retransmission of processes, also with fast transient. It is provided with relay outputs for alarm purpose, analogue outputs for retransmission of process/set-points and programmable digital inputs.

The device can be configured both for horizontal and vertical mounting; factory programming is for vertical mounting.

Distinctive feature is the intuitive multilingual interface, supported by a graphic LCD display 128x64 pixel with backlighting programmable for 7 colours.

Visualization options include bar-graph and process trend with programmable sampling time. Software features include mathematical functions related to process value like Totalizer and Sum. Serial connectivity relies on RS485 and Modbus-RTU protocol.

Alarm levels are free programmable.



Picture: AFM 400

- **Compact design**
- **Flow rate: 0-10l/min**
- **Output signal: 0-5V DC**
- **Free programmable alarm levels**



**ANKERSMID Bar-graph display**  
AFM 400

**Technical data**

Version	AFM 400
Display	Backlighting graphic LCD 2.7"
Operating temperature	0-45°C - Humidity 35..95uR%
Sealing	IP54 front panel (with gasket) - IP20 box and terminals
Material	Box: Polycarbonate V0
Weight	Approx. 200g
Dimensions	140 x 80 x 80 mm
Power supply	Extended power supply 24..230VAC/VDC $\pm 15\%$ 50/60Hz Consumption: 6VA
Analogue input	AN1 Configurable via software Thermocouple type K, S, R, J, T, E, N, B Automatic compensation of cold junction from 0..50°C Thermo resistance: PT100, PT500, PT1000, Ni100 Input V/I (linear): 0-10V, 0-20, 4-20mA, 0-60mV Potentiometer input: 6K $\Omega$ , 150K $\Omega$
Relay outputs	2 Relays, Contacts 2A - 250V $\sim$ . Resistive charge
Analogue output	1 tension, Linear 0..10V 1 current, configurable as output 0..20mA or 4..20mA All 16bit $\pm 0.2\%$ (F.s.)
Alarm mode	Absolute / Threshold, Band with instantaneous/delayed/ retentive action/by digital input activation, Sensor failure/ Activation by serial line
Totalizer Function	Visualisation of instant process value & total value since last reset
Trend visualization	Trend visualisation up to 59 samples, with selectable time basis 1 to 3600s
Analogue retransmission	Process values / Set-points
Digital transmission	Process values / Set-point / Parameters via RS485
Data logging function	Selectable time basis 1s to 3600s, tot. memory 2.5k words
Text menus	English/Italian/Deutsch/French/Spanish

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**Dimensions**

