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2026 Totalizer/ Batch controller for analog inputs

- **Input signal 0/4..20 mA or 0..5/10V**
- **6-digit processor-based LED-display**
- **Cumulative counter (quantity)**
- **Count up or down**
- **Alarm/ batch operation**
- **Display memory**
- **Scaleable display**
- **Front panel protection IP65**
- **Sensor supply 24 VDC, max. 150 mA**
- **Power supply 85..240 VAC or 12..32 VDC/24 VAC**

The panelmeter 2026 is designed for analog signals in cumulative counting applications.The display indicates flow volume per a time unit and it can be freely scaled in the desired engineering units via front panel keys.

The preset function makes it possible to use the totalizer as a batch controller as well. Counting can be done upwards to the preset value or downwards from the preset. Alarm relays may control other devices. New counting can be started automatically or manually by an external contact. Display memory stores the counted value in memory for one week without power supply.

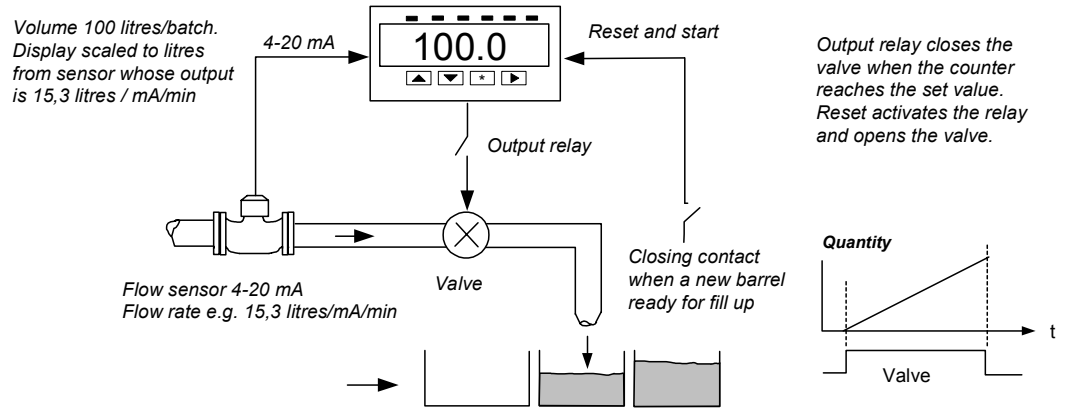
There are two power supply possibilities, one for 85..240 VAC and the other for 24 VDC/ 24 VAC, both galvanically isolated from input/output. Separate passwords can be set for access to the configuration menu and alarms. Front panel protection rating is IP65.

The panelmeter series 2000 is very flexible and easy to modify by changing input cards for different kinds of sensors, such as temperature sensors, pulse sensors, serial inputs etc. The modification does not require any calibration. The optional cards are the same for all the instruments in this product family. Each panelmeter type has its own datasheet.

Separate field enclosures can be supplied for 1 to 3 panelmeters. The 2026 is also available in the field display series, model 2800-2026.

The totalizer and batch controller is also available for pulse sensors, model 2061, a separate data sheet available.

Typical application



Technical specifications:

Input	0..20 mA, 4..20 mA, 0..5/10V
Display scaling	on whole display range
Input resistance	current 50 ohm voltage 1 Mohm
Accuracy	0.03% FS
Linearity	0.005% FS

Supply for transmitter
24 VDC, max. 150 mA

Display scaling
Number of digits per one mA in a time unit. Seconds, minutes and hours can be used.

Batch control function:
Batch control function is based on an alarm relay. When the preset value is reached the relay is enabled. The reset is automatic or manual. Counting can be done upwards to the preset value or downwards from the preset.

Alarm relays/ Batch controller (optional):
You can set the alarm value via front panel keys.
Relay card max. 230 VAC, 0,5 A.

Serial output (optional):
RS-232 and RS-485. Serial output only for measurement reading. Baud rate and address selectable.

Display memory :
Memory card 2000-MEM stores the display value for one week without power supply.

General

Display	6 digits, bright red (or green) LED, digit height 14.5 mm, brightness selectable
Input filter	adjustable digital filter
AD-conversion	16 bits (1/64 000)
Temperature effect	0.0004 %/°C
Operating temperature	0..60 °C
Terminals	removable, wire 2,5 mm²
Front panel protection	IP65 with a rubber gasket
Power supply	85..240 VAC or 12..32 VDC/ 24VAC
Weight	240 g

How to order:

2026-MEM-REL2-24VDC

Type
Memory card MEM
Alarm card REL2
Power supply 85..240 VAC
or 12..32 VDC/ 24 VAC

Optional cards (one option possible at a time):

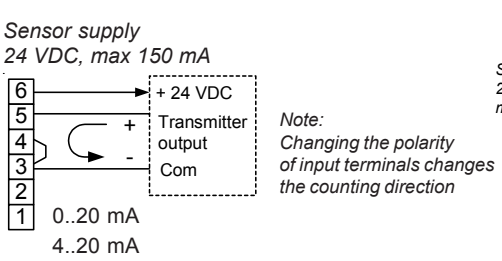
Alarm card, 2 relays	2000-REL2
Serial output RS-485/232	2000-RS

(When ordering a panelmeter, the "2000" of the cards is left out.)

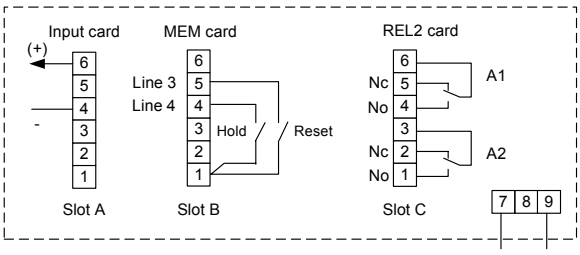
The panelmeter is also available with a green LED display: please specify 2026GR in the order code.

Terminal connections and dimensions (mm):

Current inputs



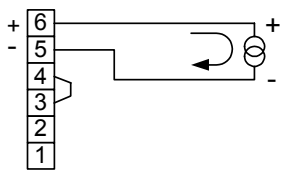
Terminals



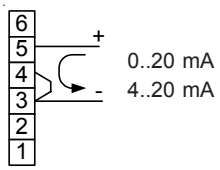
Display reset with external contact: connect closing contact into MEM-card (Slot B) terminals 1and 5.

Power supply 85..240 VAC or 12..32 VDC /24 VAC (no polarity)

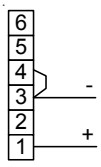
2-wire transmitter 4..20 mA

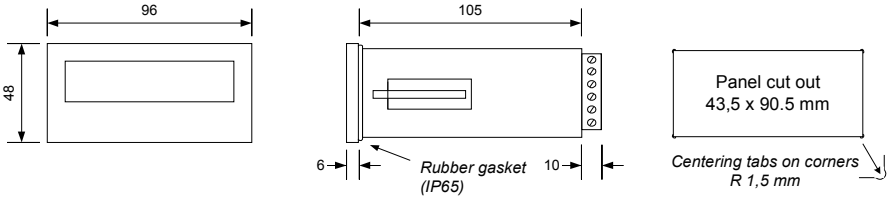


Current input 0/4..20 mA



Voltage input 0..10V





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