

Technical Information

Liquiline CM442/CM444/CM448

Multiparameter transmitter with a maximum of eight measuring channels based on digital Memosens technology



Application

Liquiline CM442/CM444/CM448 is an extensible multiparameter controller for monitoring and controlling processes in industry and the environmental sector. Depending on the version ordered, up to 8 digital sensors with Memosens technology can be connected.

The measuring signals can be linked by means of the mathematical function and new measured values calculated (e.g. pH calculation based on differential conductivity measurement).

Furthermore, up to eight 0/4 to 20 mA analog outputs are available. Digital Fieldbuses (HART, PROFIBUS, Modbus) and the integrated web server offer additional options for connecting to process control systems. A cleaning function, controller and alarm relay can be selected.

Optional current inputs are available for processing measured values from other devices, e.g. flow or level.

The rugged plastic version is tailored to the following non-hazardous area applications:

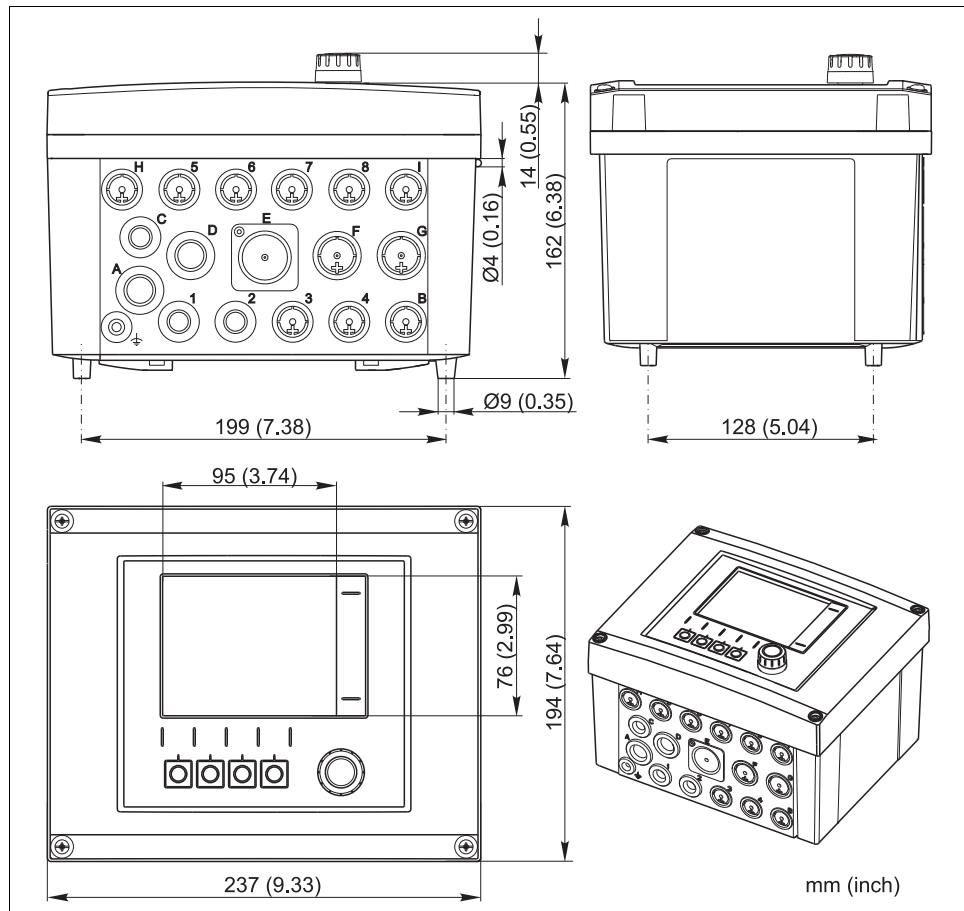
- Water and wastewater
- Power stations
- Chemical industry
- Other industrial applications

Your benefits

- Maximum process safety thanks to:
 - Simple and transparent menu guidance via a graphic display
 - Standardized intuitive operating concept for all the devices of the new Liquiline, sampler and analyzer platform
- Fast commissioning thanks to:
 - Memosens: use of lab-calibrated sensors thanks to plug-and-play capabilities
 - Preconfigured Liquiline transmitter
 - Easy to expand and adapt system to meet new requirements
- Minimum inventory:
 - Cross-platform, modular concept (e.g. identical modules irrespective of parameters)
 - Integration into Fieldcare and W@M facilitates effective asset management

Mechanical construction

Dimensions



Dimensions of field housing

a0012396

Weight

Approx. 2.1 kg (4.63 lbs), depending on the version

Material

Lower housing section	PC-FR
Display cover	PC-FR
Display film and soft keys	PE
Housing seal	EPDM
Module side panels	PC-FR
Module covers	PBT GF30 FR
Cable mounting rail	PBT GF30 FR, stainless steel 1.4301 (AISI304)
Clamps	Stainless steel 1.4301 (AISI304)
Screws	Stainless steel 1.4301 (AISI304)