

Density calculator QML51 - vibronic-based measurement

Adaptable to diverse application environments through various sensor options



F L E X

Benefits:

- Real-time inline density data replaces manual sampling and laboratory analysis
- Proven vibronic technology ensures repeatable measurement results with minimal sensitivity to build-up
- Modular connectivity with industry-specific Liquiphant vibronic sensors and two additional input channels optionally used for temperature and pressure sensors
- Fast and guided commissioning via integrated web server with selectable, predefined concentration tables
- Verification of sensor accuracy provides precise and stable measurement results

Field of application: Density calculator QML51 enables continuous inline measurement of density, reference density and concentration of liquids as well as media detection using proven vibronic measurement technology. The calculator operates with up to two Liquiphant vibronic sensors with integrated density electronics and compensates for temperature and pressure influences by integrating dedicated sensors. Its modularity makes it ideal for liquid applications in tanks and pipelines across a wide range of industries.

Features and specifications

Point Level / Liquids

Measuring principle

Vibration Liquids

Point Level / Liquids

Characteristic / Application

Density Computer
Software offers modules for density,
reference density, concentration of liquids
and for a intelligent medium detection

Specialities

Configuration via webservice

Supply / Communication

24 VDC

Ambient temperature

-20...60°C (-4...140°F)

Communication

Modbus TCP
4-20mA with converter
OPC UA

Certificates / Approvals

ATEX, CSA, IECEx, NEPSI with ex barrier

Components

Protocoll converter Modbus TCP to
4-20mA
active barrier RN22

Density

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More information www.endress.com/QML51