

# FlexView FMA90 - control unit for level and flow measurement

Seamless integration with modern connectivity and dual sensor support for a wide range of applications



## Benefits:

- Flexible use with up to two level sensors across multiple technologies
- High cybersecurity due to integrated software features
- Remote access to hard-to-reach measurement points thanks to Wi-Fi connectivity
- Ease of use thanks to intuitive 3.5" color display with touch control operable with gloves
- Fast commissioning with guided setup sequences, tutorials and automatic sensor detection

**Field of application:** FlexView FMA90 is a control unit for radar, ultrasonic and hydrostatic or universal 4-20 mA level sensors. It connects up to two sensors simultaneously and provides 8 digital switching outputs. Available in field, DIN rail and panel housing variants, it ensures seamless installation in field and control cabinet environments. Its robust design and intuitive touch control make it ideal for versatile applications in the Water & Wastewater sector and utility operations across all industries.

## Features and specifications

### Pressure

#### Measuring principle

Hydrostatic pressure

#### Characteristic

Level, pump control, open channel flow measurement, data logging, rake control, storm overflow basin

**Pressure****Supply voltage**

100 ... 230 VAC;  
10.5 ... 32 VDC

**Ambient temperature**

-40 to +60 °C (-40 to +140 °F) (Type tested);  
-35 to +60 °C (-31 to +140 °F) (approved by CSA)

**Communication**

Input:

1x or 2 x 4-20mA/HART

Output:

2 x Analog,  
1 relay or 5 relays (2 x SPDT, 3 x SPST),  
1 or 3 open collector (NPN)

**Certificates / Approvals**

ATEX, CSA, EAC, JPN Ex, NEPSI, INMETRO

**Specialities**

Degree of protection of polycarbonate field housing;  
and aluminum field housing: IP65/NEMA Type 4x;  
Degree of protection of DIN rail housing: IP20;  
Degree of protection of panel housing: IP65/NEMA Type 4 (at front,;  
if mounted in cabinet door), IP20 (at rear, if mounted in cabinet door);  
sensor recognition and parameter mapping;  
of FMR20B/FMR30B/FMX21 sensors

**Continuous / Liquids****Measuring principle**

Level radar

**Characteristic / Application**

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## Continuous / Liquids

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### Options

3.5" TFT touch color display for onsite operation with backlight, WLAN  
connectivity or communication via Ethernet, guided wizards for  
commissioning, up to two level sensors

Housing:  
Panel-mounted / DIN rail / Field

### Components

Sensors: FMR10B, FMR20B, FMR30B, FMX21, FMU30

**Continuous / Solids****Measuring principle**

Level radar solid

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More information [www.ca.endress.com/FMA90](http://www.ca.endress.com/FMA90)