

D077 DIN Panel mount - Level Monitor

with linearization and one high / low alarm output



Features

- Displays level, height and percentage filled.
- Eight point linearization of the tank shape - with interpolation.
- Two alarm values can be entered: low and high level alarm.
- Level: six large 17mm (0.67) digits.
- Selectable on-screen engineering units; volumetric or mass.
- Auto backup of all settings.
- Ambient temperature: -40°C to +80°C (-40°F to 176°F).
- Red flashing LED backlight in case of a level alarm.
- Easy configuration with clear alphanumeric display.
- Aluminum DIN front panel of 144 x 72mm (5.67" x 2.83") according DIN 43700 / IEC 61554.
- Various [accessories](#) are available for this product.

Product description

The D077 is a versatile, panel mount level monitor with linearization and continuous level monitoring feature. In addition to the average Span, eight linearization points can be entered to compensate for the tankshape. The unit will interpolate between these points to increase the accuracy. This linearization affects all displayed information as well as the alarm output. With the level monitoring feature, one low level and one high level alarm value can be set.

Advantages

- Unique, robust IP66, IP67 (NEMA Type4X) panel mount front enclosure made of die cast aluminum, allowing even big jets of water and total immersion.
- Familiar easy operation with the Fluidwell "Know one, know them all" configuration structure, saving time, cost and aggravation.

Applications

- The D077 fits in level measurement applications where continuous level monitoring and linearization of the tankshape is important.
- The D-Series is a DIN-sized display and the **better alternative** for your existing, not waterproof, front panel mount indicators in extreme weather outdoor applications or e.g. in food industries where working environments are often cleaned with powerful water jets.

Product specifications

Signal Inputs

Level Inputs

- (0)4 - 20mA.
- 0 - 10V DC.

Supply

Power Supply

- Basic: 8 - 30V DC (no real sensor supply).
- Long life Lithium battery.
- 4 - 20mA input Loop-powered.
- 24V AC/DC + sensor supply.
- 115 - 230V AC + sensor supply.

Sensor Supply

- 8.2, 12 & 24V DC.

Signal Outputs

Alarm outputs

- Function: Configurable alarm output for high, low or both combined level alarms.
- Type: One passive signal output, an active signal output or a robust, highly isolated (NO/NC) relay.

Analog outputs

- None.

Hazardous Area

Intrinsically Safe

- For Intrinsically Safe applications we recommend the F-Series.

Communication

- Modbus communication available on F1-Series products.
- HART communication is available with the F018 Flow rate Monitor / Totalizer.



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We're happy to answer any questions about our products and services.
Just send us an email or give us a call.