



**UK Flowtechnik**

Specialists in flow metering, pumps, couplings  
and process measurement equipment

# Displays, Controllers Flow & Energy Computers



Flow

Temperature

Pressure

Level

Density

Rate

Totalising

Batching

Control

UK Flowtechnik is a joint venture company between UK Flow Ltd (formerly the UK distribution arm of the E-Holdings group of companies) and Flowtechnik (formerly the process flow metering division of Hydrotechnik UK Ltd).

UK Flowtechnik Ltd has been formed to build on the success of both companies in the manufacture and supply of flow meters, instrumentation, process sensors, specialist pumps, magnetic couplings and high quality hydraulic components.

UK Flowtechnik Ltd offers products from quality brands such as VSE, Beinlich, DST, HBE, Flomec, GPI, Lake Monitors, Seametrics, Elis Plzen, Bopp & Reuther and Comeco as well as many others and we also offer a competitive Calibration & Repair service.



## UK Flowtechnik

Specialists in flow metering, pumps, couplings  
and process measurement equipment

We work closely with our customers from the initial inquiry stage onwards and can provide innovative solutions for the most challenging of applications or for the most demanding of budgets using our huge portfolio of products.

We specialise in fluid applications and are innovators in providing high performance metering, measurement and instrumentation solutions for flow, temperature, level, density, rate, totalising, batching and control.

We distribute the following:

**HBE** hydraulic  
components

**VSE** flow  
measurement

**DST** magnetic  
couplings

**GPI**

**beinlich** pump  
systems

**FLAMEC**

**ELIS**

**COMECO**  
CONTROL & MEASUREMENT

BOPP & REUTHER  
MESSTECHNIK

**LAKE**  
MONITORS

**Seametrics**

**HYDROTECHNIK UK**  
TEST ENGINEERING LTD

**KCP**

**ROTARY  
POWER**

## Your success counts



**F-series.** Your choice for field mount indicators in safe and hazardous area applications. Especially in harsh weather conditions between -40°C up to +80°C. Specific models are available for Flow, Batching, Level, Temperature, Pressure and Multi-purpose processes.

4-5



**E-series.** Field mount Displays in Explosion Proof housings, provide unequalled safety and ease of use. Cost saving with easy to install, spacious chamber, plug and play connectors and 1" NPT thread for flow meter mounting. For flow applications. Also available as a Flow Computer.

6-7



**N-series.** Panel mount, Batch controllers. Easy operation - enter a batch value and to control the process. Key information available at a glance as actual value, preset value, batch process indication, relay status and selectable measuring units for volumetric or mass are shown simultaneously.

8-9



**C-series.** Flow and Energy Computers for steam, liquid and gas applications. Robust Aluminium field enclosure. Large versatile display with bright backlight. User friendly operation and configuration via the keypad and display or with the free available software.

10-11



**B-series.** A basic series of indicators, for Flow or Batching applications within a durable IP65 field, wall or meter mount enclosure. Sensor supply 8.2 Vdc, Modbus RS485 comms. For more advanced functionality we recommend the D-, E-, F-, and N- series.

12-13



**D-series.** Front panel mount indicators, controllers and monitoring systems. The robust alternative to your existing, not waterproof, panel meters. The unique die cast aluminium front enclosure allows for big jets of water and immersion. The range includes models with 26 mm high digits.

14-15



All info  
at a glance



Easy  
to install



Easy  
to program



Know one  
Know them all!



Reliable



User-friendly

Your success counts

## Field mount Indicators for safe and hazardous areas



The F-Series is your first and safest choice for field mount indicators in safe and hazardous area applications. Especially in harsh weather conditions like rain, snow, salty atmospheres and temperatures between -40°C up to +80°C (-40°F up to 176°F).

### Advantages

- Robust aluminium or stainless steel 316L field enclosure (IP67 / NEMA Type4X). It is so rugged, a truck can even stand on it!
- Intrinsically Safe available - ATEX, IECEx, FM and CSA approval for gas and dust applications.
- Intuitive "Know one, know them all!" configuration menu, saving time, cost and aggravation.
- Very diverse mounting possibilities: walls, pipes, panels or directly onto outdoor sensors!

### Features

- Easy configuration with clear alphanumerical display.
- Displays flow rate, totals, level, temperature, pressure, percentage and alarm values with engineering units.
- Clear 17mm(0.7") numeric and 8mm (0.3") alphanumerical digits.
- LED backlight, can be set to be red flashing in case of an alarm.
- Pie graph indication and 5 1/2 extra large 26mm (1") digits.
- Auto backup of settings and running totals.
- Ability to process all types of signals: Sine wave (coil), NAMUR, NPN/PNP pulse, Reed-switch, Active pulse signals, (0)4-20mA.
- Modbus or HART communication.
- Configurable pulse, alarm or control outputs.
- Analog (0)4 - 20mA output.
- Power requirements: long life lithium battery, 8 - 24V AC/DC, 110 - 230V AC or input / output loop powered.
- Sensor supply: 1.2 / 3 / 8.2 / 12 / 24V DC.

# Feature overview



## Functional overview

### F-Series:



#### Flow:

From a basic transmitter / totaliser up to a powerful flow rate monitor with various features like flow curve linearisation, signal re-transmission, pulse or alarm outputs.



#### Batch:

The products have all the basic features which are typical to a Fluidwell product. The basic batch controller is suitable for accurate Dispensing of small amounts of liquids..



#### Level / temperature / pressure:

From a basic indicator up to a powerful monitor with tank shape linearisation, Modbus communication and high/low monitoring with passive, active or relay alarm outputs.



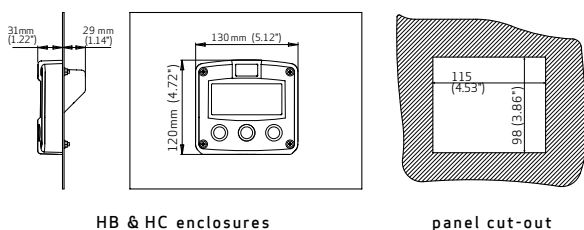
#### Multi-purpose:

The products have all the basic features which are typical to a Fluidwell product. The multi-purpose loop powered indicator can be used in various flow, level, temperature and pressure applications.

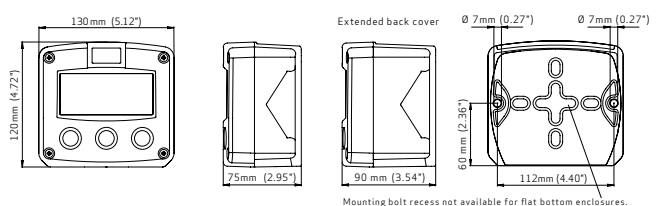


## Dimensions enclosures

### Aluminium & GRP panel mount enclosure



### Aluminium, GRP & Stainless steel 316L field mount enclosures





Your success counts

## Explosion proof Flow Computers

when user-friendliness matters



The E-Series provides unequalled safety and ease of use, opening covers is history. The through-glass keypad enables operability without interruptions. The E-Series saves time, money and hassle and delivers user-friendliness in the toughest conditions.

### Advantages

- Save time and gain flexibility with the easy-to-operate through glass keypad: no need to remove the front cover or to arrange a work permit.
- Intuitive "Know one, know them all!" configuration menu, saving time, cost and aggravation.
- Cost saving with an easy to install, spacious chamber, plug and play connectors and 1" NPT thread for flow meter mounting.

### Features

- Explosion proof according ATEX, IECEx, FM and CSA c-us.
- Data logging of flow rate, total and accumulated total.
- Easy Configurable via PC with free downloadable software.
- Easy K-factor configuration for volumetric or mass.
- Display shows flow rate, total, acc. total, daily total, previous daily total, measuring units and a flow rate indicating speedometer.
- 7 digit flow rate / total and 11 digit accumulated total.
- Bright bi-colour LED backlight.
- Ability to process all types of signals: Sine wave (coil), NAMUR, NPN/PNP pulse, Reed-switch, Active pulse signals, (0)4-20mA
- Modbus, HART or USB communication.
- Configurable pulse or alarm outputs and unscaled input retransmission.
- Analog (0)4 - 20mA output.
- Auto backup of settings and running totals.
- Sensor supply: 8.2 / 12 / 24V DC.

# Feature overview



## Functional overview

### E-Series:

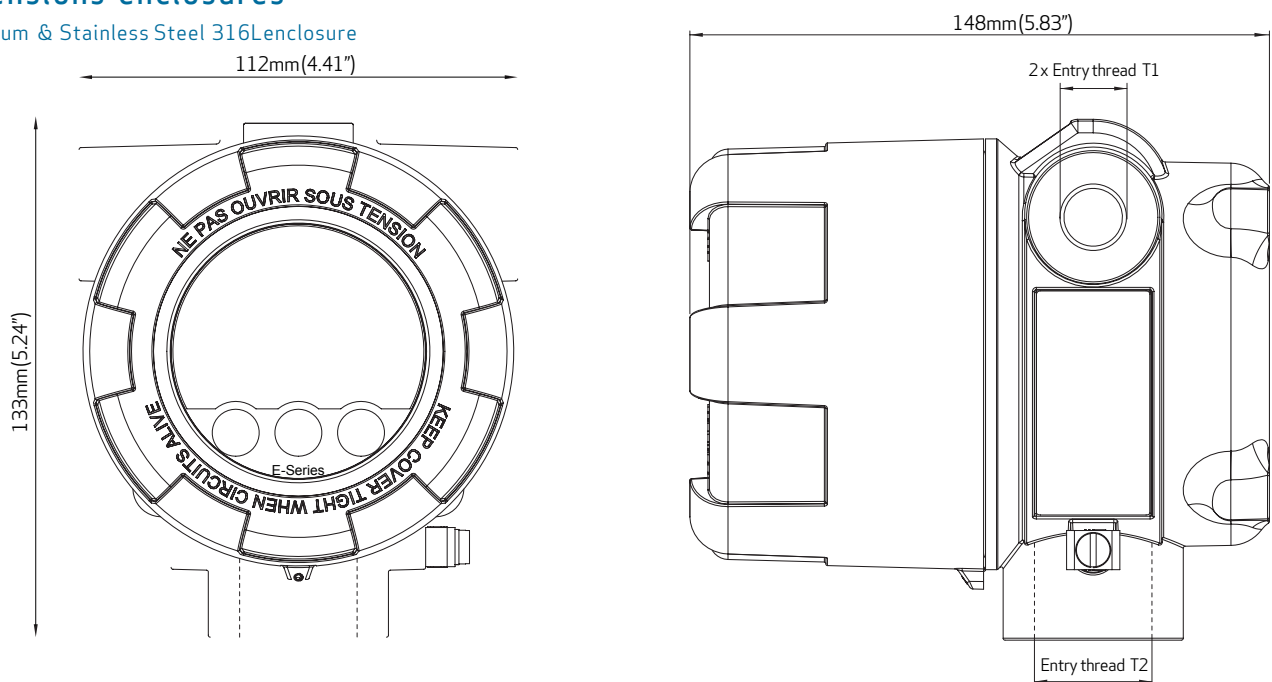


#### Flow:

All products in the E-Series are dedicated to flow applications. From a basic indicator / totalisers up to a powerful flow computer with flow logging, dual inputs, signal re-transmission, linearisation, HART & Modbus communication, alarm outputs, temperature / pressure compensation.

## Dimensions enclosures

### Aluminium & Stainless Steel 316L enclosure



## Batch Controllers

with easy to operate numerical keypad



The N-Series distinguishes itself by its user friendly features: Numerical keypad, easy ticket printing, clear programming menu structure, easy to read display and simple mounting enclosure. The numerical keypad allows simple and fast changing of the preset batch quantity.

### Advantages

- Save time and cost with the easy to operate numerical keypad.
- Intuitive "Know one, know them all!" configuration menu, saving time, cost and aggravation.
- Key information at a glance as it simultaneously shows actual value, preset value, batch process indication, relay status and selectable measuring units for volumetric or mass.
- Easy operation to enter a batch value and to control the process.

### Features

- Multiple control inputs for remote START, HOLD, RESUME, keypad lock and external alarm.
- 7 large digits (14mm, 0.56") for total, flow rate and acc. total.
- 10 smaller digits (8mm, 0.3") for preset value and batch count.
- No-flow monitoring and automatic overrun correction.
- Bright LED backlight.
- Receipt printer driver.
- Auto backup of settings and running totals.
- Ability to process all types of signals: Reed-switch, open collector, NPN/PNP pulse or active 8 / 12 / 24V pulse signals.
- Modbus communication option RS232 / RS485.
- Field replaceable, heavy duty, mechanical relays (NO-NC).
- Configurable transistor output(s).
- Power requirements: 24V DC / 110 - 230V AC.
- Sensor supply: 8.2 / 12 / 24V DC.
- NTEP available.



# Feature overview



## Functional overview

### N-Series:

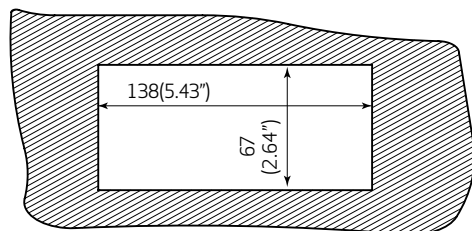


#### Batch:

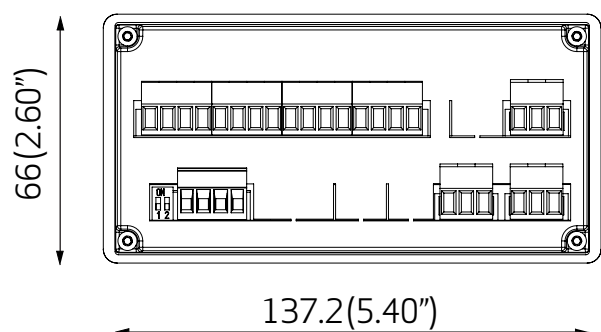
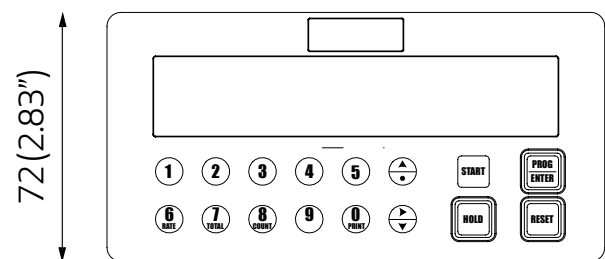
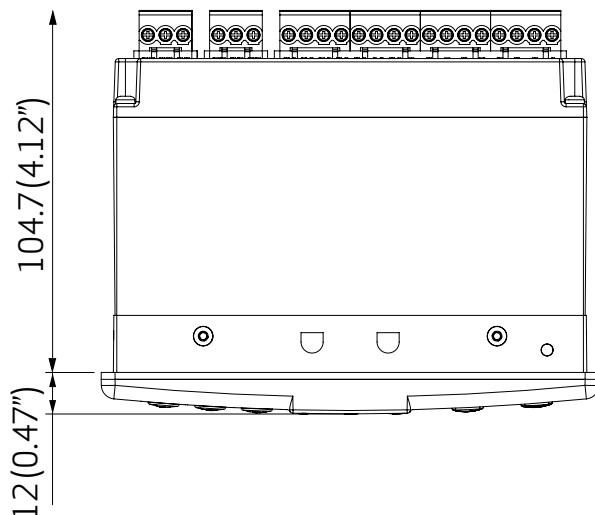
Accurate batching or filling of liquids where the batch size changes frequently and easy ticket printing on location is required, like tank or truck filling.

## Dimensions enclosures

### Panel cut out



Maximum panel thickness: 6mm (1/4")



## Flow & Energy Computers

for steam, liquid and gas applications



The C5-Series is a powerful range of single and dual stream Flow and Energy Computers for gas, steam or liquid applications. The comprehensive and rugged enclosure combines easy installation and operation resulting in cost reduction. It works with any pulse, differential pressure or analog signal generating flowmeter.

### Advantages

- Robust IP66/67, Type4X aluminium field enclosure, withstands extreme weather & industrial conditions.
- Large, versatile display with bright backlight, all info at a glance.
- Easy-to-operate with 6 rugged industrial buttons.
- User-friendly operation and configuration via the keypad and display or with the free available software.

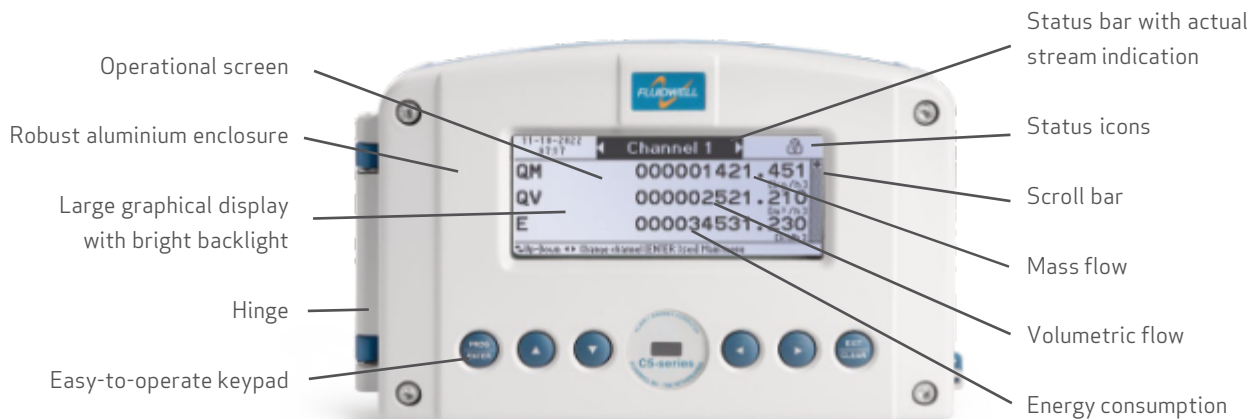
### Media

- Saturated and superheated steam.
- Gasses: air, nitrogen, oxygen, hydrogen, carbon dioxide, natural gas and user defined gasses.
- Water, oil, fuels and user defined liquids.

### Features

- Calculates mass and volumetric flow at actual and reference conditions for one or two streams.
- Determines compressibility, density, enthalpy and specific heat according to recognised standards such as AGA8, SGERG, IAPWS, API and more.
- Calculations for related and unrelated dual streams.
- Calculates power in each stream.
- Calculates totalised values for volume, mass and energy.
- Data logging of process parameters, errors and warnings.
- 10 point linearisation of all inputs.
- Ability to process various flow inputs: pulse (Sine wave / coil, NAMUR, NPN/ PNP pulse, Reed-switch), differential pressure (overlapping) or linear 4-20mA signals.
- 4 - 20mA inputs for pressure sensors.
- 4 - 20mA, Pt100 or Pt500 inputs for temperature sensors.
- 2 status inputs.
- Up to 2 analog outputs, 2 digital outputs, 2 relay outputs.
- Up to 3 communication ports: RS485, RS232 and USB.
- Power: 100 - 230V AC or 16 - 27V DC.
- Ambient temp.: -40°C to +55/+70 °C (-40°F to +131/+158°F).

# Feature overview



## Functional overview

### C5-Series:



#### Flow:

The most basic single stream models of the C5-Series are yet very powerful and can be used for demanding applications like multi-stage differential pressure flowmeters, averaging systems or applications with a semi-redundant measurement system. Each model has the basic functionality of data logging, input linearisation for accuracy in the full flow range, digital and analog outputs, status inputs, Modbus and USB communication.



#### Heat exchange:

Even the most demanding applications like heater and cooler systems are covered by the C5-Series. The flow, the inlet & outlet pressure and temperature of either the heated or the cooled fluid are measured. The properties such as density, compressibility and specific heat of various media (steam, water, oil, gas and other fluids) are stored in the device as tables, formulas or fixed values. It calculates the energy transferred by the system.

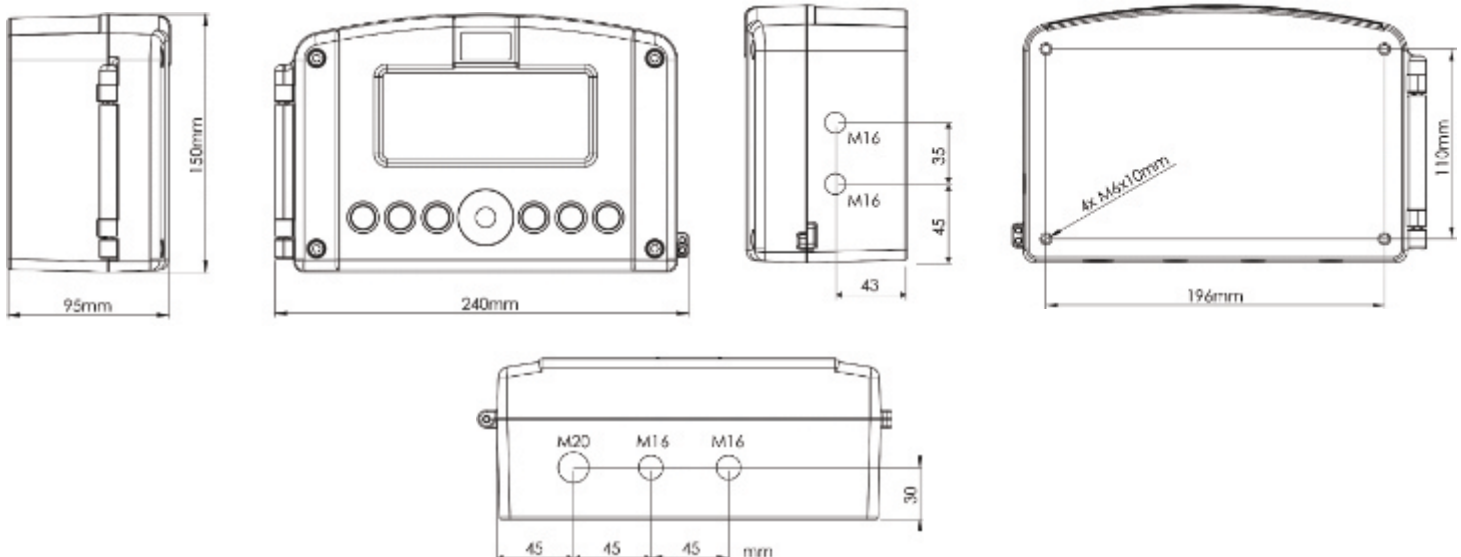


#### Differential / sum:

The dual stream models of the C5-Series have the same basic functionality as the single stream models, with the addition of various powerful calculations, especially useful when the flow, volume, mass or energy in two streams need to be compared, added or subtracted.

## Mechanical Installation

### Dimensions - Enclosure



## Basic Field Mount Indicators

nothing more, nothing less



The basic indicators of the B-Series have all the benefits you may expect from a Fluidwell product: It's durable, reliable and very easy to operate. For more advanced functionality we recommend our D-, E-, F- and N-Series.

### Advantages

- Durable IP65 (Type 4X) field, wall or meter mount enclosure.
- Intuitive "Know one, know them all!" configuration menu, saving time, cost and aggravation.
- Compact design.
- Competitive pricing in bigger quantities.
- Design your own branded product with several enclosure customisation options.

### Features

- One 20mm and two 16mm knock-out hole cable entries.
- All info at a glance with clear alphanumerical display.
- Displays alarm values with various selectable engineering units.
- Clear 12mm(0.5") numeric and 7mm(0.3") alphanumeric digits.
- Bright LED backlight.
- The B-Series accepts the basic sensor input signals: Reed-switch, Namur, NPN, PNP, Sine wave (coil).
- Configurable pulse, alarm or control outputs.
- Loop powered, analog 4 - 20mA output.
- Isolated 4 - 20mA and scaled pulse outputs.
- Modbus RS485 communication.
- Auto backup of settings and running totals.
- Lithium AA battery, output loop powered and 10 - 30V DC power supply.
- Sensor supply: 8.2V DC.
- Easy Configurable via PC with free downloadable remote configuration tool.

# Feature overview



## Functional overview

### B-Series:



#### Flow:

All products in the B-Series are dedicated to flow applications. From a basic indicator / totalisers up to a powerful flow rate monitor with analog and digital signal re-transmission, Modbus communication and alarm outputs.

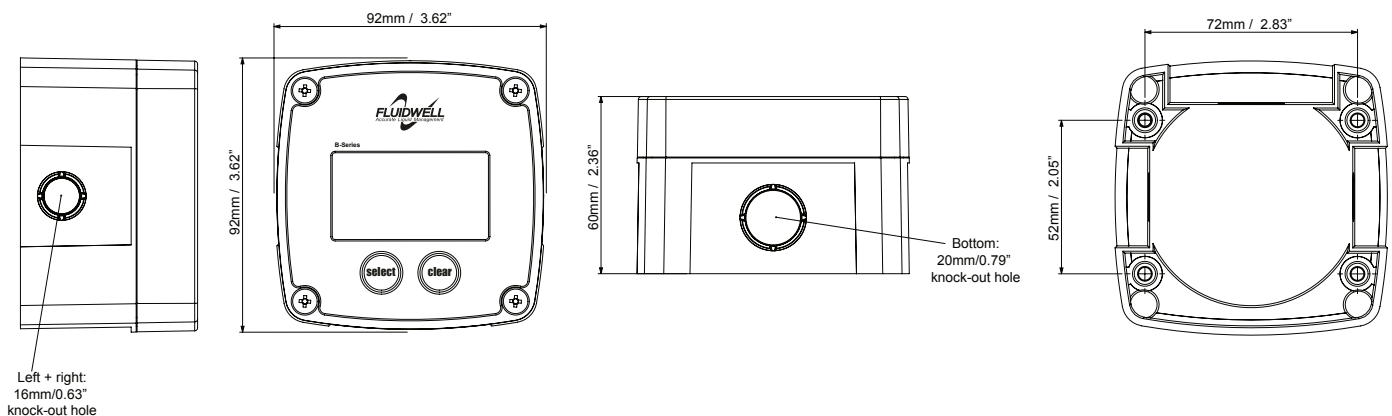


#### Batch:

For accurate dispensing of small amounts of liquids. With options for more demanding batch control applications like 2-stage control and self learning overrun correction.

## Dimensions enclosure

### GRP field mount enclosure





Your success counts

## Panel mount Indicators withstands even powerful water jets



The D-Series is a front panel mount indicator, controller and monitoring system for measurement applications in industrial environments. It is the robust alternative for your existing, not waterproof, panel meters.

### Advantages

- Unique, robust IP66, IP67 (NEMA Type4X) panel mount front enclosure made of die cast aluminium, allowing even big jets of water and total immersion.
- Intuitive "Know one, know them all!" configuration menu, saving time, cost and aggravation.
- Resistant to harsh weather conditions: rain, snow, salty atmospheres.
- Only a few inches depth clearance for smaller, low cost panels and panel doors.

### Features

- Displays flow rate, totals, level, temperature, pressure, alarm values and percentage and with various selectable engineering units.
- 17mm(0.7") numeric digits and 8mm(0.3") alphanumeric digits.
- LED backlight, can be set to be red flashing in case of an alarm.
- Pie graph indication and 5 1/2 extra large 26mm (1") numeric digits with the basic models.
- Selectable on-screen engineering units; volumetric or mass.
- Auto backup of settings and running totals.
- Ability to process all types of signals: Sine wave (coil), NAMUR, NPN/PNP pulse, Reed-switch, Active pulse signals, (0)4-20mA.
- Configurable pulse, alarm or control outputs.
- Power requirements: long life lithium battery, 8 - 30V DC, 24V AC, 110 - 230V AC or input loop powered.
- Sensor supply: 1.2 / 3 / 8.2 / 12 / 24V DC.
- Operational temperature: -40°C to +80°C (-40°F to 176°F).

# Feature overview



## Functional overview

### D-Series:



#### Flow:

From a basic indicator / totalisers up to a powerful flow computer with dual inputs, signal re-transmission, linearisation, communication, temperature / pressure compensation, etc



#### Batch:

For accurate dispensing of small amounts of liquids. With options for more demanding batch control applications like 2-stage control and ticket printing.



#### Level / temperature / pressure:

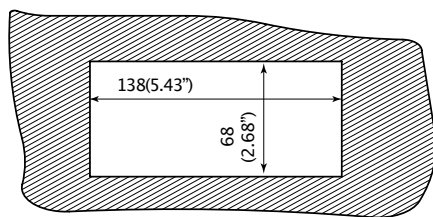
From a basic indicator up to a powerful monitor with tank shape linearisation and high/low monitoring with passive, active or relay alarm outputs.



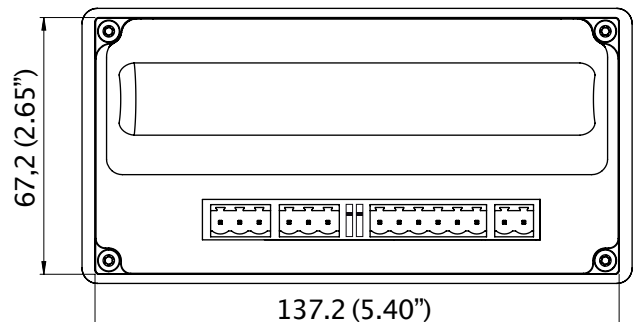
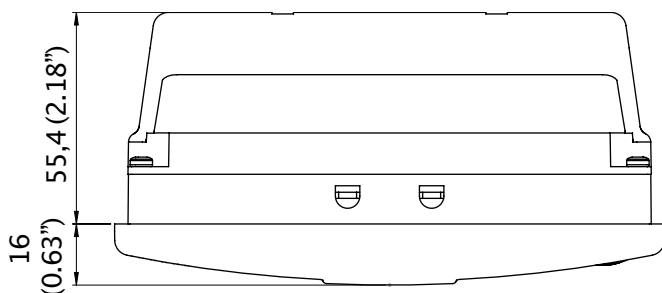
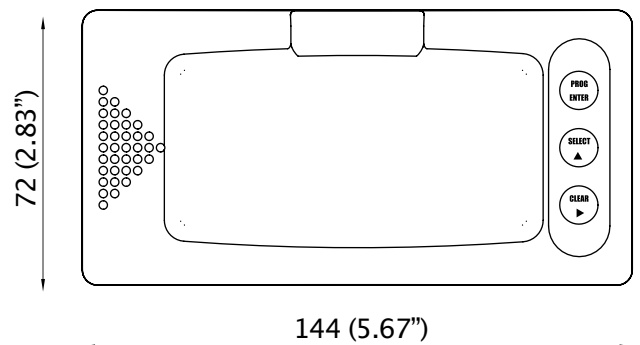
#### Multi-purpose:

Versatile indicators to display the actual process values. Besides the level, temperature and pressure applications it can process and display %, mA, RPM and even custom measurement units.

## Panel cut out



Maximum panel thickness: 6mm (1/4")





Distributed by:



Get in touch



UK Flowtechnik Ltd  
1 Central Park  
Lenton Lane  
Nottingham  
NG7 2NR  
United Kingdom

Phone +44 (0) 11 59 01 71 11  
UK Free Phone 0800 4334 770

[sales@ukflowtechnik.com](mailto:sales@ukflowtechnik.com)  
[ukflowtechnik.com](http://ukflowtechnik.com)