



APPLIED MEASUREMENTS LTD.
Transducer Specialists...

+44 (0) 118 981 7339

info@appmeas.co.uk

<https://appmeas.co.uk>

FUSION Series Large Digit Display



Key Features:

- Up to 8 Numeric Digits or 6 Digits for Clock Format
- Easy to Use, No-Menu Programming
- Smart Styling, Slim, Easy to Install
- Remote Setting from Ground Level
- Modular Options to Suit Your Exact Requirement
- Displays can be Built to Custom Formats
- Indoor and Outdoor Models
- Can be Built with Alphanumeric Displays
- Wide Range of Mounting and Gland Positions
- 10 Point Linearising Function
- 3 Year Warranty

The [FUSION series large digital display](#) are a highly precise, highly stable, flexible and easy to use large digit load cell display. Its main function is to give a clear numeric readout of the variable being monitored. Display functions available are: total, rate/speed, target (ideal for production lines), frequency, weight, temperature, humidity, real time, elapsed time, power, RPM, torque, pressure and any combination of those. We can also combine several fusion displays of various functions into 1 display to suit your exact requirements.

You can choose various digit sizes to suit the viewing distance in your application. Digit sizes available are: 57mm, 102mm, 150mm, 200mm, 300mm or 400mm (for up to 200 metres viewing). In addition, we can offer various digit colours (red, green, yellow, blue and white) to coordinate with your company branding, differentiate different groups of displays or to suit the environmental and lighting conditions.

It has a number of useful plug-in options which make it ideal in many control and monitoring applications. It also has a 10 point linearising function, which lets you correct for non-linearities in the sensor, or for curved-sided containers. The front panel buttons can be locked, or can be operated by remotely wiring 4 push-buttons to the display by using a separate optional remote programmer.

If you need to be able to read the display in a reflection, for example in a heads-up display system, you can switch it to display a mirrored image. Most models include a sensor excitation power supply to power the sensor directly, please speak to our [technical sales team](#).

See our [range of digital displays, panel meters and indicators](#).



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Options:

- Wide Range of Mounting & Gland Positions
- Range of Digit Sizes: 57mm, 102mm, 150mm, 200mm, 300mm, 400mm.
- Output Options inc.: 2 or 4 Alarm SPST Relays, 2x SPDT, 4-20mA, 0-10V or -10 to +10V Analogue, RS232, RS485, Ethernet Data Output.
- Digit Colours: Red, Green, Blue, Yellow, White

Applications:

- kWh Energy Produced/ Consumed
- Production Line Timing
- Factory Clock Synchronising
- Time Until Maintenance Displays
- Time and Temperature Displays
- Real-Time Clock
- 'Time Until Event' Displays
- Public Area Clocks
- Factory/Production Floor
- Factory Time Displays
- Elapsed Timer
- Down-Counters

Specification:

CHARACTERISTICS	FUSION
Display	4, 6 or 8-digit numeric / 4 or 6-digit clock
Digit Height	2.25" (57mm), 4" (102mm), 6" (150mm), 8" (200mm), 12" (300mm), 16" (400mm)
Function Type	Counter, clock/timer, load cell, process, RS232 slave, RS485 slave, temperature, time + temperature, time + RS485, millivolt
Analogue Output	No output, 4-20mA, 0-10V, $\pm 10V$
Alarm Output	0, 2, 4, 2 x SPCO, 2 x solid state
Serial Data Output	0, RS232, RS485
Digit Colours Inside	Red, green, yellow, blue, white
Digit Colours Outside	Red, green, yellow, blue
Supply Voltage	95-265Vac or 11-30Vdc
Environmental Protection	up to IP65
Operating Temperature Range	0 to +50°C

Options:

We have a range of digit colours available to suit your application, corporate image, environment and ambient lighting conditions.

Available digit colours and their ideal uses are:

- Red - Lowest cost colour option, ideal for outdoor mounting.
- Green - Best suited to indoor use.
- Yellow - Ideal for outdoor and roadside applications.
- Blue - Cool to the eye and adds sharp appearance to the display.
- White - Entirely neutral.

We can also offer several digit sizes to suit the viewing distance. The digit sizes available are:

- 57mm for up to 25 metres viewing
- 102mm for up to 50 metres viewing
- 150mm for up to 75 metres viewing
- 200mm for up to 100 metres viewing
- 300mm for up to 140 metres viewing
- 400mm for up to 200 metres viewing



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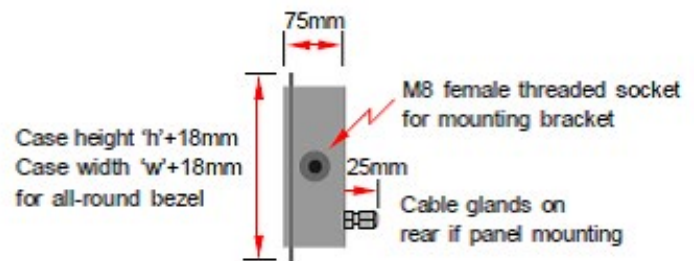
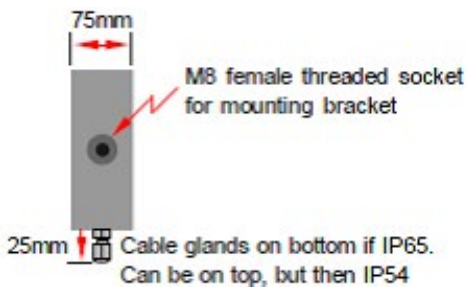
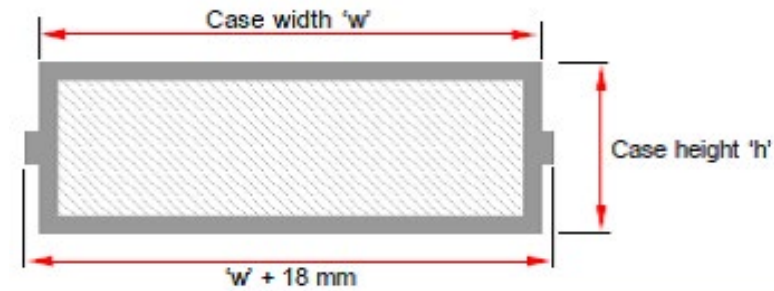
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Dimensions (mm):

	Fusion 2	Fusion 4	Fusion 6	Fusion 8	Fusion 12	Fusion 16
4 digit	279.5(N)/291@w x 154.5h	434(N)/453@w x 195.5h	580w x 246.0h	750w x 290.0h	1050w x 408h	1368w x 515h
6 digit	376(N)/400@w x 154.5h	616(N)/653@w x 195.5h	820w x 246.0h	1072w x 290.0h	1540w x 408h	2020w x 515h
8 digit	504w x 154.5h	824w x 195.5h	1060w x 246.0h	1395w x 290.0h	2022w x 408h	2672w x 515h



Associated Products:



[TR150 Handheld Indicator](#)



[T24 Wireless Telemetry Range](#)



[Intuitive4-L Panel-Mount Indicator](#)



[DSC-USB USB Signal Digitiser](#)



[ICA Miniature Strain Gauge Amplifier](#)



[SGA Signal Conditioner/Amplifier](#)



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Ordering Codes:

1.	2.	3.	4.	5.
Display Height	Digits and Format	Function Type	Analogue Output	Alarm Output
2" 57mm digits - F2 4" 102mm digits - F4 6" 150mm digits - F6 8" 200mm digits - F8 12" 300mm digits - F12 16" 400mm digits - F16	4 digits numeric - 4N 4 digits clock - 4C 6 digits numeric - 6N 6 digits clock - 6C 8 digits numeric - 8N	Counter - C Clock/Timer - H Load Cell - L Process - P RS232 slave - S2 RS485 slave - S4 Temperature - T Time + Temp - TT Time + RS485 - TZ Millivolt - M	No - 0 4-20mA - ANI 0-10V - ANV ±10V - ANB	No - 0 2 alarms - AL2 4 alarms - AL4 2xSPCO - SPCO 2xSolid State - DSS

6.	7.	8.	9.	10.
Serial Data Output	Colour and Brightness	Supply Voltage	Mounting & Gland Position & Sealing	Special Requirements
No data - 0 RS232 - 232 RS485 - 485	Normal Inside Red - R Green - G Yellow - Y Blue - B White - W Outdoor Bright Red - RDLV Green - GDLV Yellow - YDLV Blue - BDLV	95 - 265Vac - AC 11 - 30Vdc - DC	Panel, IP65 front - 1 Wall, bottom, IP65 - 2 Suspension, top, IP65 - 3 Wall, top, IP54 - 4 Suspension, top, IP65 - 5 Suspension, rear, IP54 - 6	None - 0 Real-time clock - RTC 8 memories - MEM 3 wire pot input - POT 100 updates/sec - 100X

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
F2	4N	C	0	0	0	R	AC	1	0
Example part code: F2-4N-C-0-02-0-R-AC-1-0									