

# C21 digital pressure gauge + switch

A highly versatile and flexible pressure measurement system to meet individual needs for specific applications. The indicator can be supplied in a plain aluminium housing, with the sensor internal or external, mounting brackets optional.

This model is the ideal alternative to a pressure sensor with built-in display, analogue or digital gauge and pressure switch. It is a more cost effective solution with benefits such as flexible mounting, easy to read display and a readout which can be fitted wherever the operator is.

The pressure measurement system has been specifically designed for hydraulic applications, for direct reading in any engineering unit, such as Bar, Psi, Kg, Newton etc. it has a 4 red LED digit display with automatic range change from 0.1 to 1 digit.

As supplied, the pressure sensor and indicator comes in a handy desktop box with all cables and connector as a matching set, scaled and ready for use without any further set-up. UKAS approved certificates can be supplied by an independent calibration company to verify the readings and making it possible to use the equipment as a traceable standard.

Standard pressure ranges are from 1 Bar to 3000 Bar, but if required special ranges can be incorporated.

The standard series has been designed to withstand high overpressure and pressure shocks, high mechanical vibration shock and to withstand the high EMC levels in an industrial environment. The pressure sensing element is the latest design in thin film technology, mounted within a high integrity welded stainless steel construction. Extra high mechanical pressure spike protection can be added without increasing the length and size of the thread.



- **1 to 3000bar pressure**

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- **Engineering units**

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- **Complete system**

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- **Multi function**

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- **Wide power supply**

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- **Compact and rugged**

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- **Many options**

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- **Pressure gauge**

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- **Pressure switch**

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# Specifications

## Readout:

Digital controller

Display: 4 red LED digits

Height: 12 mm

Programmable Microprocessor

Lockout of set-up and menu

Input: Direct from sensor

Current: 0–20 or 4–20mA

Isolated 24VDC power supply to sensor

Power Supply: 95 to 265 VAC

Optional: 10 to 30 VDC

Temperature range: 0 to 70C

Error: +/-2 digit on LSD

Protection: IP65

Engineering label incorporated

## Pressure Sensor:

Model A08

Pressure range: 1 to 3000 Bar

Absolute, Gauge or Sealed

Power Supply 9 to 30 VDC

Output: 4–20mA

2 wire system

Comp Temp Range –20 to +85C

(higher range available on request)

Operating temperature range: –40 to 125C

Linearity error: typically +/-0.2%

Hysteresis: 0.1%

Media Compatibility: any gas or fluid compatible with 316 stainless steel.

Protection Rating: IP67

Mechanical connection: G1/4BSP Male

Electrical connection: M12 (4 pin)

EMC: EN50081-1, EN50081-2

Individual datasheets on each of the products are available on request with complete specification and drawings.

Standard



Sensor External



With mounting brackets



Sensor built-in



With Alarm



## Order Code

Model C21  
Sensor model  
Range  
Reading on display  
Engineering unit  
Power Supply  
Set-point  
Options

If this readout does not meet your application then please do not hesitate to contact us, as we have a large range of controllers and sensors which can all be set up to your specifications.