# 200 MKII Series
# Counters




## Family features

- Dedicated range of Counters
- Four decade easily read display
- Microprocessor control
- Easy to set up and operate
- Scaling factor from 0.001 to 9999
- Programmable decimal point
- Programming buttons concealed behind front panel
- External Start, Stop and Reset
- Half DIN panel mounting case (96mm x 48mm)
- Choice of supply 100-240V AC / 12-30V DC

## Standard options

- High-sensitivity input (12mV rms ) suitable for use with flow measurement devices with low amplitude output signals
- Analogue input module (voltage to frequency converter)
- Splashproof cover

## Special options

- Customised design or operation to suit unusual or dedicated applications –call our Sales Office to discuss your requirements

## Typical applications

- Production counter
- Length measurement
- Flow totaliser (scaled in litres, gallons, etc.)

## Technical specification

| | |
|---|---|
| **Display** | 4 decade, 14.2mm, seven segment high brightness red LED |
| **Decimal point** | User programmable |
| **Scaling** | User programmable and retained in EEPROM (non volatile memory) |
| **Signal inputs** | |
| **Sensitivity** | User adjustable from 200mV to 10V (protected to 100V).<br>(Factory fitted High Sensitivity option allows low input level of 12mV minimum) |
| **Frequency** | 30kHz maximum |
| **Impedance** | 15k ohm minimum |
| **Accuracy** | 0.05% with a square wave at 1V peak |
| **Control inputs** | External Stop and Reset require sink to 0V of 220 ohms maximum |
| **D.C. voltage output** | 10V to 12V unregulated @ 80mA maximum |
| **Connections** | Screw terminals on the rear panel |
| **Power requirements** | Factory selected at 115V *or* 230V AC 50/60Hz. Loading 3VA<br>(Factory fitted option to operate from 24V DC supply is available to order) |
| **Temperature range** | |
| **Operating** | 0° to +50° C. |
| **Storage** | -20° to +80° C. |
| **Dimensions** | 96 x 48 x 107 mm (panel cut-out 92 x 43 mm) |
| **Weight** | 0.4 kg. (standard mains version) |

## Ordering guide

Please use the following order codes – if in doubt call our Sales Office for assistance:

**200** [ ] [ ] / [ ]

REQUIRED

**C** Standard Counter

**C⁂** Customised version (code will be allocated at time of order)

OPTIONAL

**HS** High-sensitivity input option (normally required if using a Flowmeter fitted with a Magnetic Pickup).

REQUIRED

**115** 115V AC power supply

**230** 230V AC power supply

**24** 24V DC power supply

Optional Enhancements for the 200 Series Range (Order Separately)

| | |
|---|---|
| **SPC4** | Splash-proof cover |
| **A_IN1V** | Analogue input module (0-1V) |
| **A_IN5V** | Analogue input module (0-5V) |
| **A_IN10V** | Analogue input module (0-10V) |
| **A_IN020** | Analogue input module (0-20mA) |
| **A_IN420** | Analogue input module (4-20mA) |

Examples:

| | |
|---|---|
| 200C/115 | Standard Counter to operate on 115V AC 50/60Hz mains supply |
| 200C⁂HS/230 | Customised Counter with High Sensitivity option, 230V AC 50/60Hz mains supply |