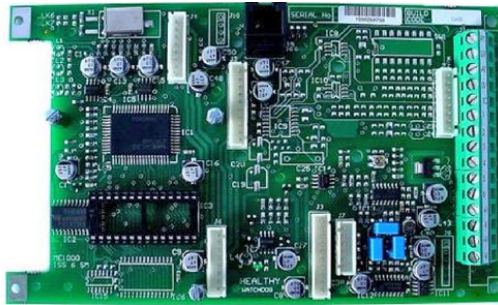


Universal Digital Signal Conditioner and Controller



Flexible digital signal conditioning amplifier for multiple or single load cell applications, offering very easy one-pass calibration and fast set-up

Introduction

The UAB universal signal amplifier / digitiser is a very flexible digital signal conditioning system, in an OEM modular PCB format, for use with a wide range of sensors and transducers, including volts, amps, temperature, frequency, speed, load, force, pressure, torque, LVDT, RVDT and many more.

The digital architecture offers very easy one-pass calibration and fast setup. This digital signal conditioning amplifier offers options of local or remote LCD display, isolated analogue outputs, latching relays or digital outputs for control or alarm functions.

The RS232 or RS485 options provide for digital communications (including setup) and can support label or ticket printers.

Specification at a Glance

- Fully digital set-up and calibration using hand held plug-in display/keypad or comms
- Optional local or remote LCD display and keypad
- Fully isolated 4-20mA and 0-10 V analog outputs
- Setpoints and event handling using digital inputs and 2 x SPCO relays
- RS232 or RS485 communications for setup, data transfer or label/ticket printing
- PCB dimensions 100 x 166 mm



User Benefits

- Wide range of plug-in input modules providing transducer excitation
- Fully flexible - any input module can be combined with any output module
- Simple one pass digital calibration for minimum set-up time on site
- High accuracy and high stability over a wide temperature range
- UAB PCB mounting options include with case (D3) or DIN rail mounted as above
- The USB also has the option of a stainless steel case

Ideal Applications

- Civil Engineering
- Agriculture
- Industrial Processing



Related Product



ADP15

Universal digital panel meter for measuring 4-20 mA, 0-10 V ts



SMP

Universal display with analogue outputs, relays and data output

CE & Environmental

| | |
|-----------------------|----------------------------|
| Storage temperature | - 20 to +70°C |
| Operating temperature | - 10 to +50°C |
| Relative humidity | 95% maximum non condensing |

CE Environmental Approvals

| | |
|------------------------|-------------|
| European EMC Directive | 2004/108/EC |
| Low Voltage Directive | 2006/95/EC |



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