

"WITHOUT AN ORIGINAL THERE CAN BE NO IMITATION"

# ACAM INSTRUMENTATION LTD

FOR TRANSDUCERS AND ELECTRONICS



## TRANSDUCER OUTPUT

This unit has been specially designed for measuring outputs from transducers.

Engineering units can easily be displayed.

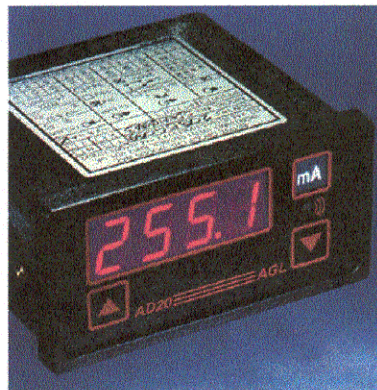
A 10V supply suitable for powering transducers is incorporated.

Tare facility is available.

An Alarm signal output is available as an option.

The clear high brightness display with optical filter is easy to read.

The unit comes with



TYPICAL DISPLAY

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**Acam Instrumentation Ltd**  
**Manufacture A Variety Of**  
**Standard Sensors For The**  
**Measurement Of Load Pressure**  
**Torque and Strain.**  
**Please ask for Details**

## SPECIFICATION

### Specifications

|   |   |
|---|---|
| Accuracy  | 0.1% ± 1 digit  |
| Analogue to Digital Converter                         | Dual slope conversion   |
| ADC update rate                                       | 5 updates per second  |
| Stability   | < 250ppm  |
| Common mode rejection ratio                           | > 120dB   |
| Series mode rejection ratio                           | > 60dB at 50Hz and 60Hz.  |
| Input resolution                                      | 1µV   |
| Watchdog  | Both software and hardware watchdogs reset CPU on any program error   |
| Calibration   | Digital stored in EEPROM  |
| Calibration software                                  | Optional, permits customer to setup and calibrate unit via setup interface  |
| Calibration   | Performed by connecting to external computer.   |
| Input   | 0 to +25mV  |
| Status input  | 5V max excitation, suitable either volt-free contacts or logic level signal   |
| Display update rate                                   | 2 updates per second  |
| Display size and type                                 | 14.2mm high brightness red LED's  |
| Display range   | -1999 to +9999  |
| Scaling   | By links fitted behind front panel and front push buttons   |
| Alarm relay (Order option)                            | 2A 250V change over contacts  |
| Alarm annunciator                                     | High brightness front panel LED   |
| Alarm setpoint adjustment                             | By means of up/down front panel keys  |
| Power supply (Supply voltage selection by order code) | 115V 50/60Hz, 230V 50/60Hz, 6VA max.<br>11V to 30V DC, 10V to 24V AC, 6VA max (A <sup>2</sup> isolated to 500VDC/AC peak) |

### ENVIRONMENTAL & PHYSICAL DETAILS.

|                        |  |  |
|------------------------|--|--|
| EMC / RFI standards    | CE                                       | Meets or exceeds EN50081 Pt1 & EN50082 Pt1 |
| Electrical standards   | Designed to exceed IEC348, IEC 1010      |  |
| Ambient temperature    | 0 to 50°C operating, -10 to 70°C storage |  |
| Ambient humidity       | 0-90% RH, non-condensing                 |  |
| Front of panel sealing | IP653                                    |  |
| Rear of panel sealing  | IP201                                    |  |
| Size & Weight          | 1/8 DIN, 450g                            |  |
| Height, Width, Depth   | 48mm x 96mm x 60mm (Behind panel)        |  |
| Connections            | High quality plug-in screw terminals     |  |
| Panel cut-out          | 44mm (h) by 92mm (w) DIN 43700           |  |

Registered in England No 1543383

Registered Office: 23 Thomas St Northampton NN1 3EN

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