

CPI INDICATOR SPECIFICATION SHEET



Flash Electronic Tally Record (Alibi device)

ModBus Communications

PRODUCT SPECIFICATION

Width: 144mm
Height: 72mm
Depth: 63mm
Weight: 0.34kg

Annunciators: 4 LEDS (Motion/Zero/Net/Gross)

Front Panel: Membrane with tactile metal domes, Beep response, 5 button operation

Internal resolution:24 bit ADC (1:16,777,215)Display:7 Red LED digits 14mm

Input Signal Range: $-6.5 \rightarrow 6.5 \text{ mV/V}$

Operating Voltage: 12-28VdC **Power Consumption:** 5 - 10W

Maximum Display Resolution (trade): 10,000 (trade) | 500,000 (x 10 test mode) (non trade)

Zero Offset Range: 100% of Input Signal Range

ADC Conversion Rate(Hz): 50 (25/100*)

Linearity error (%FS): < ± 0.0015% (+ digital correction)

Differential non linearity: \pm 0.5 LSBSpan temperature coefficient:1.6 ppm/°CZero temperature coefficient:< 0.005 μ V/oC

Common Mode Rejection (@500Hz): 120dB Power Supply Rejection (@500Hz): 120dB

EC Approvals OIML Class III + IIII s: Certificate: UK: UK3180, EU: 0200-NAWI-08407

KEY FEATURES

- Bright, easy to read, large LED display
- DIN Standard, panel mount enclosure
- Two part connectors for quick replacement
- Multi point linearity adjustment
- Configuration via front panel or serial communication
- Two serial ports, printer port can be used for remote display
- Memory tares, semi automatic tare and set zero functions
- 3 outputs, 2 inputs as standard
- Trade Approved for any R60 loadcells
- Screwless, Push-In Spring

Real time clock as standard

OPTIONS

- Versatile print formatting
- PLU's recalling A/N text, set points, part weights and totals
- Multi-drop communications
- Sophisticated fill control with fast cut off and predictive software
- Variety of set point operating modes.
- Accommodates extremes of dead load and signal
- Superb digital weight filtering with fast settle times
- x10 resolution test mode
- Firmware upgrades via serial port

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ENVIRONMENT:

IP Rating: IP54

Operating Temperature Range: -10 to +40°C **Storage Temperature Range:** -10 to +70°C

Enclosure: Panel mount DIN Standard 43700

EMC Immunity/Emissions: EN45501, EN50082-2

TRANSDUCER INPUT:

Transducer type (4 or 6 wire): Resistive, full bridge

Transducer input resistance: min 43Ω (up to $8 \times 350\Omega$ cells)

Excitation voltage: 5 (nominal) vDC

Minimum signal requirement: 1 μ V/e (approved) | 0.1 μ V/e (non approved)

Input impedance: \geq 20 (sense and signal) M Ω

SERIAL COMMUNICATION

Communication Ports: 1. Comms RS232 or RS485 | 2. Printer Port RS232 (TX/Busy)

Baud Rate: 2400, 4800, 9600, 19200, 38400 bits/sec **Protocol:** 7/8 data bits, odd/even/no parity,1/2 stop bits

Maximum continuous data rate: 50Hz (test mode) **Communication protocol:** Ascii or ModBus*

1/0

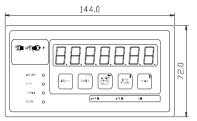
Analogue output* 0-10V or 4-20ma: 15 bit (adjustable range)

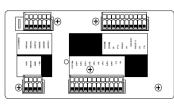
Max drive load for 4-20mA: 500Ω (active)/1200 Ω (passive)

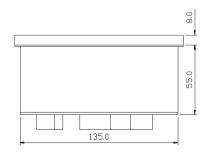
Inputs 2 (4*): Opto coupled inputs. <6V off; >10 –30V on (supply rail on board)

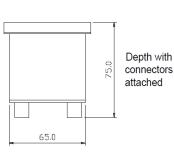
Outputs 3 (5*): Darlington type transistors. Max OFF voltage 27V

Max ON current 60mA. Leakage < 0.1ma Switched + or -









^{*} According to specification