

CSW 20 INDICATOR SPECIFICATION SHEET



PRODUCT SPECIFICATION

Width: 222mm
Height: 183mm
Depth: 94mm

Weight: 2.5kg (shipping 2.9kg)

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 20mm

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

Operating Voltage: 230/115Vac (Selectable) 12-28VdC (according to specification)

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)

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

EC Approvals OIML Class III + IIII s: Certificate: NWML UK2677

KEY FEATURES

- Bright, easy to read, large LED display
- Stainless steel enclosure with swivel bracket for wall/desk mount
- Connections via 5mm press clamps
- 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

OPTIONS

15 bit Analogue Output 4-20mA or 0-10V

Flash Electronic Tally Record (Alibi device)

Integrated RF Modem

ModBus Communications

24V DC powered version

Additional 2 inputs, 2 outputs

- Real time clock as standard
- 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: IP66

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

Case: 304 Stainless Steel EMC Immunity/Emissions: EN45501, EN50082-2

Cable Glands: 5 off PG11

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: $1 \mu V/e \text{ (approved)} \mid 0.1 \mu V/e \text{ (non approved)}$

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)

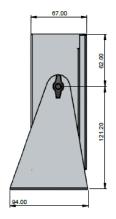
Opto coupled inputs. <6V off; >10 -30V on (supply rail on board)

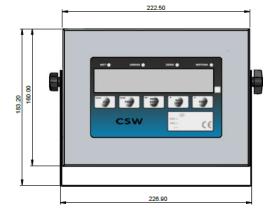
Darlington type transistors. Max OFF voltage 27V;

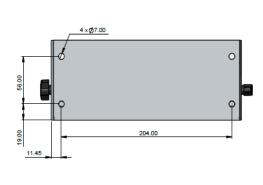
Max ON current 60mA. Leakage < 0.1ma Switched + or -

Inputs 2 (4*):

Outputs 3 (5*):







^{*} According to specification