

INNOVEC

CONTROLS PTY LTD

INNOVEC CO48 POWERED PROCESS TOTALISER



The **CO48 Powered Process Totaliser** is a programmable instrument that has been designed to accept pulses from open collector, hall effect, turbine meters or 24VDC voltage pulse. The input measurement is shown on either a high contrast eight (8) digit LED or LCD display.

FEATURES

- Totalise with field programmable factors
- Flow rate display
- Memory retention for 10 years in power down for variables
- Contact bounce elimination circuitry
- Low cost - High performance
- Screw terminal electrical connection
- High contrast LED display of 8 digit of 10mm character height
- Panel mounting
- Isolated 24VDC @ 30mA sensor supply
- Universal VAC 47-63 Hz supply or factory fitted 12 to 40V DC isolated supply
- Touch switch programming of display intensity, decimal point position, scaling factor
- Applications include adding parts on a production line and totalising events
- Emc compliant

The instruments incorporate field programmable totalising rates and a 24VDC isolated supply for powering remote sensors. The CO48 is supplied in a panel mount 48 x 96 mm enclosure. Screw terminal electrical connection is included.

TECHNICAL SPECIFICATIONS

Input Details

- The instrument accepts an input from 0 to 2KHZ and is dip switch selectable for open collector, reed, Hall, Namur and turbine signals (from 20mV peak to peak).

	Input Type	sw1	sw2	sw3	sw4	Sw5	sw6	sw7	sw8
A	CMOS Logic Level	Off	Off	Off	Off	On	Off	Off	off
B	Open collector or reed switch	Off	Off	Off	Off	On	Off	On	off
C	Namur proximity [loop supply 8VDC]	Off	Off	On	On	On	Off	Off	off
D	Reed switch with debounce	Off	Off	Off	Off	On	Off	On	On
E	Coil 50mV PP minimum	Off	On	Off	Off	Off	Off	Off	off
F	Low impedance coil 50mV PP min.	On	On	Off	Off	Off	Off	Off	off

Output Details

- One output relay with a normally open contact rated at 1 amp 240VAC resistive.

Display

- The CO48 incorporates either an eight (8) digit 10mm character height (LED)

Decimal Point

- Programmable from the front panel for no dp or 9999999.9

K Factor

- This is the pulses per unit of measure. It is programmable from the front panel.

Totaliser Memory

- The instrument incorporates a running and a background total.

Reset

- This is done by connecting a normally open push button between terminals 1 and 6.

Environmental Parameters

- 0-70 degrees Celsius.
- 0-90% rh non-condensing.

Connection Details

Terminal 1:Input 0VDC (-)	Terminal 7:relay one normally open contact
Terminal 2:Input minus (-)	Terminal 8:relay one normally closed contact
Terminal 3:Input plus (+)	Terminal 9:relay one common contact
Terminal 4:24VDC loop supply (+)	Terminal 10:VAC active or VDC (+) supply
Terminal 5: reset	Terminal 11:VAC neutral or 0VDC (-) supply
Terminal 6: not used	Terminal 12:Ground supply

Instrument Power Supply

- Universal VAC 47-63 Hz or DC to DC converter isolator from 12 -40VDC.

Transducer Power Supply

- A 24VDC at 30mA transducer power supply is incorporated in the instrument.

Weight

- 400 grams.

Mounting Details

- Panel mounting aluminium enclosure of case dimensions 96 mm wide by 48 mm high by 110 mm deep with a panel cut out of 92 mm wide by 45 mm high.

Configuration of the Instrument

- The display intensity, decimal points, scaling factor and output relay are programmed by the front touch buttons and the values are stored in eeprom for 10 years.

Ordering Information

- Model/input signal/display units/power supply/options.
- Sample number:
- CO48/CC24/0-99999999/240VAC/LED
- All units shipped factory calibrated to a scaling factor of 1 to 1 unless specified.