

INNOVEC

CONTROLS PTY LTD

INNOVEC Multi-Event IPT POWERED PRINTING TOTALISER



TRUCK NO 1
DELIVERY
DATE 15-02-2012
TIME 11:58 HRS
BATCH TOTAL
0.0 KG

MASTER TOTAL
5 KG

The **IPT Powered Printing Totaliser** is a programmable instrument which totalises flow on 1 to 50 memory locations for storage and recall and prints a docket with batch total, accumulated total, job name, time and date. The input type is dip switch selectable for CMOS logic, open collector transistor, reed switch, Hall effect and turbine meter. The input measurement is shown on a high contrast LCD (two line of sixteen characters) and printed out on a printer with 24 characters.

FEATURES

- Totalise on one of 99 memory locations with field programmable K factors
- Single channel pulse train
- Background accumulated total
- 85 to 265VAC 47-63 Hz supply or factory fitted 10 to 40VDC isolated supply
- Low cost - High performance
- High contrast 2 lines x 16 characters alphanumeric LCD display
- Impact dot matrix printer of 40 characters
- Mounted in a panel mount enclosure of 144 x 144 mm.
- 8 to 20VDC adjustable sensor supply
- Touch switch calibration of decimal point, K factor, real time clock and set point
- Standard printing of a double ticket (a copy for the client and a copy for the operator)
- Applications include totalising liquid flow with printed receipt
- Two stage batching function
- Optional quadrature input
- **CE Approval**

TECHNICAL SPECIFICATIONS

Input Details

- The instrument counts input pulses from with a single pulse train or quadrature pulse with reverse flow detection, displays the totalised value and prints the value on command. The input signal is dip switch selectable for, CMOS logic, open collector transistor, reed switch, hall affect and turbine meter (20mV peak to peak minimum).

Display

- The IPT incorporates a 16 character of 10mm digit height high two line contrast LCD display with and backlight

Scaling Factor

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

Totaliser Memory

- The instrument incorporates 50 selectable running total that can be recorded to and recalled with time and date stamp with one background total. In normal operation the reset button will only reset the running total that is selected.

Real time clock

- A UL listed super cap backed RTC is used for time and date measurement

Printer

A 24 character per line dot matrix printer is used. It prints the user name, application name, running total, back ground total, time, date and units of measure. Printer front is hinged allowing for easy replacement of the paper roll.

Environmental Parameters

- 0-70 degrees Celsius.

Connection Details

Terminal 1:Input 0VDC	Terminal 11: Batch Stop
Terminal 2:Count input 1 (-)	Terminal 12: Batch Start
Terminal 3:Count input 1(+)	Terminal 13: Batch Resume
Terminal 4: Count input 2 (-)	Terminal 14: Relay 1 NO contact
Terminal 5: Count input 2(+)	Terminal 15: Relay 1 Common contact
Terminal 6:Initialise print	Terminal 16: Relay 2 NO contact
Terminal 7:Reset	Terminal 17: Relay 2 Common contact
Terminal 8:8-22VDC loop supply	Terminal 18:VAC/V24VDC active supply
Terminal 9: Pulse per litre output (Option)	Terminal 19:VAC neutral/0VDC supply
Terminal 10:Low Flow Alarm	Terminal 20:Ground supply

Options

1. Output set point relay with contacts rated at 2 amps 240VAC resistive – 1SP
2. Selection of number of users with individual user name and running total – 1U
3. Quadrature input (open collector only) with reverse flow detection - QI

Instrument Power Supply

- 85 to 265VAC power supply 47-63 Hz or isolated DC supply from 12 to 40VDC.

Transducer Power Supply

- An 8 to 22VDC 30mA transducer power supply is included in the instrument.

Weight

- 1800 grams.

Mounting Details

- Panel mounting aluminium enclosure of case dimensions 144 mm wide x 144 mm high x 145 mm deep with a panel cut out of 138 mm wide by 138 mm high.

Ordering Information

- Model/input signal/display units/power supply/options.
- Sample number: IPT/INC/0-999999/VAC/1.000.