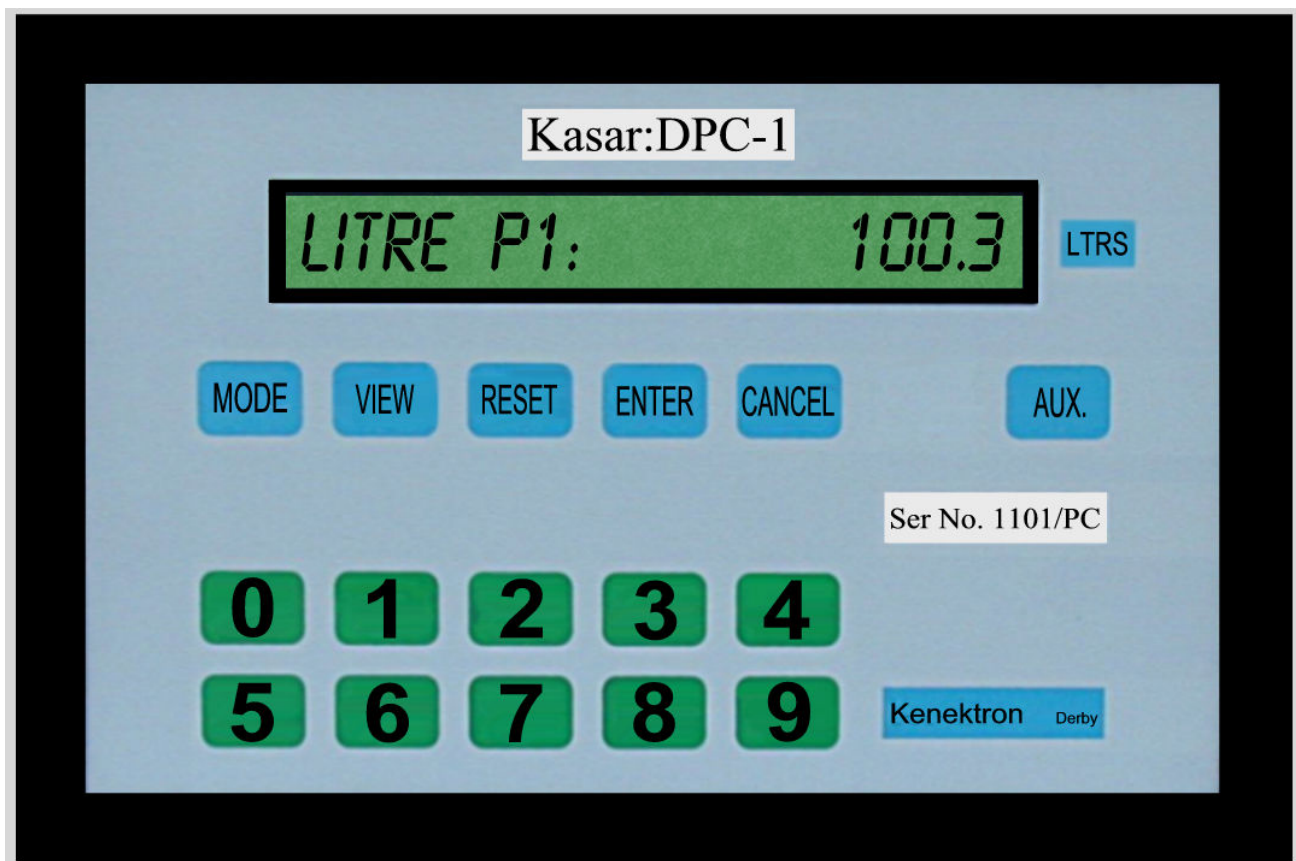




Industrial Weighing – Micro Processor Systems – Process Control Panels

KASAR DPC-1 **PULSE COUNTER / CONTROLLER**



The Kasar DPC-1 is a cost effective and versatile instrument capable of serving a wide range of industrial counting or controller applications. It features user-friendly control of upto 8 Flow Metered channels. A version is available with a post cycle Wash-Down function if required. The unit is supplied in a rugged IP66 panel mount enclosure. We can also supply a complete kit if requested.

Description

The DPC-1 is a cost effective solution for most industrial pulse-batching processes. It is capable of controlling upto 8 Ingredients via an Output Relay Tree. Additionally if contamination is an issue a programmed Wash-Down feature can be called.

Compact, versatile and easy to use, this microprocessor-based product is ideally suited for filling, batching or discharging by Flow Metering.

The basic unit offers upto 5 inputs and 6 outputs. An RS232 serial output is available for data recording purposes.

From experience we know that no two applications for our products are exactly the same. We are always happy therefore to add extra functions or tailor our software to meet customers' individual requirements.

Features

Back-Lit 16 character display
Key-Pad entry calibration
Passive Count Mode for monitor only
Cycle Halt – Wait – Resume feature
Error / Status messages displayed
Up to 12 opto-isolated inputs / outputs
In-Flight Offset compensation
Result tolerance testing
Optional end Feed Wash Down
Feed rate monitoring, and cycle timers.
Remote Start Control Input
No Liquid Detect Control Input
EM-STOP Control Input.
Capable of simultaneous multi-channel control via RS485 communication.

If required we can supply a fully tested system, including a Universal Mains PSU, Control Gear, Control Switches, Flow-Meter, and Custom Circuit Diagrams. We can also build the system into an appropriate Housing if requested.

Specification

OPTO INPUT CIRCUIT (6 Channels Max.)

V Off	0 – 3 Vdc
V On	9 – 30 Vdc
Abs Max	+/- 30 V or +/- 10mA
Pulse Width	5.0 mS High of Low
Count Rate	0.0 - 50.0 Hz.
P.P.Litre.	0.1 – 100.0 Nominal
Resolution	See Flow Meter...

OPTO OUTPUT CIRCUIT (6 Channels Max.)

External Opto PSU	12 – 30 Vdc : 250 mA. Can Provide If Required.
O/P Stage	Darlington Open Collector. 100 mA Max.
Remote Relays	Coil dc to Suit Opto PSU. Normally DIN Rail Mount. Can Provide If Required.

HMI

Display type	16 character LCD
Character height	9.3mm
Enhancement	LED backlight
Key-Pad	16 key membrane.

SETUP

Active Pump Selection	1 – 8 Max.
Target	0.01 – 10,000 Litres
I.F.Offset.	0 – 500 Counts
P.P.Litre	45 – 110% of Nominal
End Wash Volume	0.01 – 10,000 Litres
No Pumps Active	1 – 8 Max.
Unit Ref No.	for RS232 ID.
Security	10 char. access code
Programming	Via 16 way keypad
Calibration	Automatic via keypad

PHYSICAL

Size (Panel Mount)	H120 x W175 x D40
Panel cut out	H93 x W150
Operating temperature	-10 to 50°C
Power supply options	12 - 24 volts DC Can Provide If Required.
Outputs standard	RS232 serial 5 Opto Inputs 6 Opto outputs
Outputs optional	RS485 serial 6 th Opto Input.