

DCV CONTROLLER/MONITOR

Model : PDV-6070

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

DC VOLTAGE CONTROLLER/MONITOR

Model : PDV-6070

FEATURES

* Professional DCV meter with standard DIN case (96 x 48 mm) and Control / Alarm Function.
* Microprocessor circuit ensures high accuracy and provide special functions and features .
* Measurement DC Voltage : 200 mV x 0.1 mV / 2 V x 0.001 V / 20 V x 0.01 V / 200 V x 0.1 V / 600 V x 1 V .
* Measurement range can be adjusted by jumper .
* Input Impedance 10 MΩ .
* Large red LED display ,high brightness and easy to read.
* Control output : 2 point (COM,NO).
* Alarm output : 2 point (COM,NO).
* Control Relay will make action when the reading value reach to control value.
* Hysteresis value setting for control and alarm function .
* RS232 / USB Computer interface .
* Power : 90 ACV – 260 ACV , 50 / 60Hz .
* Option data acquisition software .

GENERAL SPECIFICATIONS

Display	Large LED display. 4 digit LED . 14 mm (0.55 inch) digit height . Unit indicators x 2 . PV (process value) indicator SV (set value) indicator Control out indicator Alarm out indicator	
Circuit	Custom chip of microprocessor LSI circuit.	
DCV measurement range (+.-)	200 mV x 0.1 mV, 2 V x 0.001 V, 20 V x 0.01 V, 200 V x 0.1 V, 600 V x 1 V, 5 ranges. * When order, it should specify the voltage range, other wise the range will set to 600 V as default.	
Accuracy	± (0.3 % + 5 d) reading. @ 23 ± 5°C	
Relay Output	Number	2 relays
	Function	Relay 1 : High /Low control relay .
		Relay 2 : High/Low alarm relay.
	Max load	0.5 ACA/250 ACV 0.5 DCA/24 DCV * Do not apply the relay contact load current > 0.5 A, other wise the relay may be damaged permanently without warranty.
Main Internal Function Selection		
	Control value adjustment : High control point and Low control point . Alarm value adjustment : High alarm point and Low alarm point . Control hysteresis value setting . Alarm hvsteresis value setting .	

Sampling Time	Approx. 0.5 second.
Over input	" - - - - " mark indication.
Front Panel Function Selection	Measuring value from the actual PV. Control set : point value adjustment from the SV. Alarm set : point value adjustment from the SV .
Zero Adjustment	Automatic adjustment.
Data Output	RS232 / USB PC Computer interface. * Connect the optional RS232 cable , UPCB - 02 will get the RS232 plug. * Connect the optional USB cable, USB - 01 will get the USB plug.
Operating Temperature	0 to 50 °C .
Operating Humidity	Less than 80% R.H.
Power Supply	90 to 260 ACV, 50/60 Hz.
Power Consumption	Approx. 2.13 VA/AC 110V. Approx. 4.06 VA/AC 220V. * Under no load
Weight	261 g/ 0.57 LB.
Dimension	DIN size : 96 x 48 mm. Panel cut size : 92 x 46 mm. Depth : 110 mm.
Accessories Included	Instruction manual.....1 PC Case holder with screw.....2 PCs
Optional Accessories	USB cable , USB - 01 RS232 cable , UPCB - 02 Data Acquisition software SW-U801-WIN * Real time SD card datalogger DL-9602SD * GSM controller, GSM-889. * Interface cable (cable between meter to GSM-889), GMCB-89.

ELECTRICAL SPECIFICATIONS

DC Voltage (+. -)

Range	Resolution	Accuracy
200m V	0.1m V	± (0.3 %+5d) Reading
2V	0.001V	± (0.3 %+5d) Reading
20V	0.01V	± (0.3 %+5d) Reading
200V	0.1V	± (0.3 %+5d) Reading
600V	1V	± (0.3 %+5d) Reading

Remark :

* Measuring Signal come from the rear terminals .

* Max. input : DC 600 V .

* Accuracy value is specified within 23°C ± 5°C

@ The above spec. accuracy are tested under the environment RF Field

Strength less than 3 V/M & frequency less than the 30 MHz only.

* Appearance and specifications listed in this brochure are subject to change without notice.

1303-PDV6070