

# FLAMEPROOF PROCESS CONTROLLER

## DEVICE DESCRIPTION

DPM instruments offers a wide range of process measurement and control instruments in Flame-proof / Explosion-proof execution for operation in hazardous area applications. The instruments are designed for use in industries where high degree of vibration, inclement weather and corrosive atmospheres prevail. The enclosures are certified for use in Gas Groups IIA and IIB and Zone 1 and 2 atmosphere by CIMFR, Dhanbad for Flame-proof applications as per IS:2148-1981 and Weather-proof applications for IP-65 protection as per IS:13947 (Part-1):1993.

## FEATURES



- Low cost ,High accuracy and linearity to input signal
- Standard analog signal and temperature sensors
- Very low power consumption and heat dissipation
- Selectable control logic
- High Noise immunity
- Universal AC SMPS power supply
- Rugged ,Industrial grade Flameproof Enclosure
- Field/Hazardous area installation in IP65 execution

## TECHNICAL SPECIFICATIONS

Model	: PC-92/F	Accuracy	: $\pm 0.25$ % of FSD
Display	: 2x 4-Digit LED Seven Segment Display	Response time	: Less Than 100 msec
Decimal Point	: Selectable for linear input	Calibration	: By Front Key
Range	: -999 to 9999 (Selectable) for Linear input Range	Out 4-20 mA	: Retransmission / control
Indication	: By Front panel LED	Logic	: PID / ON-OFF
Input	: RTD, TC (J,K,R,S) & Analog input signal 4-20mA / 0-10V	Aux. Supply	: +24VDC for Transmitter (optional)
Linearity	: $\pm 0.1$ % of FSD	Power	: 90-270 VAC, 50 Hz
		Enclosure	: Flameproof
		Operating Temp.	: 0 to 60°C
		Operating Humidity	: 0 to 90%RH



### DPM INSTRUMENTS PVT. LTD.

Gala No. 8, Ground Floor, Hasti Industrial Premises Co-op Society Ltd., Plot No. R-798, TTC Industrial Area, Shillphata Road, Mahape & Sawali, Navi Mumbai - 400 701. Maharashtra, INDIA. Tel: 91-22-6516 0524 / 2778 1620  
Telefax: 2778 1663 | E-mail: [info@dpminstrument.com](mailto:info@dpminstrument.com) | [dpm-sales@dpminstrument.com](mailto:dpm-sales@dpminstrument.com)  
Website: [www.dpminstrument.com](http://www.dpminstrument.com)