

Multi-Channel Programmable DC Power Supply capable of up to 255 Channels OPM Series



Description

OPM series is a high precision and response multi-channel programmable DC power supply that is capable of controlling up to a maximum of 255 channels as well as at least 2 isolated output channels by one main controller. This product is applicable over several fields of industry and research institutes.

OPM Series enables remote control of the Power Supply by using SCPI command language. Because it is possible to use numerous Power Supply and measurement devices by linking them together when using the GPIB, materialization and application of diverse functions such as product data collection at the FA and research centers will be optimal for your solution.

Features

- Over-voltage and over-current protection / P.S.P protection function
- Save and recall up to 10 active state (voltage-current)
- Save and confirm up to 10 error messages
- Self-exam test mode
- Providing factory function (11 various functions)
- Isolation between output channels

Specifications

Parameter Model	OPM 303D
Output rating	0~30V, 0~3A 2CH
Resolution	
Programming/Readback	$\leq 250\mu\text{V} / \leq 30\mu\text{A}$
Display Meter	1mV / 100 μA
Programming Accuracy (@25°C±5°C) ± (%of output + offset)	
Voltage	0.05% + 10mV
Current	0.15% + 5mA
Read-back Accuracy (@25°C ±5°C) ± (%of output + offset)	
Voltage	0.05% + 5mV
Current	0.08% + 3mA
Ripple & Noise	$\leq 2\text{mVp-p}, \leq 2\text{mArms}$
Load Regulation	2mV, 500 μA
Line Regulation	500 μV , 500 μA
Command Processing Time	<47ms
Voltage Programming Speed (No load)	
Rising time	$\leq 7.5\text{V/ms}$
Falling time	$\leq 3\text{V/ms}$
Dimension (WxHxD/mm)	213x132x370
Transient Response time	Less than 50 μV for output to recover to within 15V following change in output current from full load to half load or vice versa
Common Details	RS-232C
	19inch half x 3U size: 213mm(W) x 123mm(H) x 370mm(D) (Excepted bumper, Under 300W)
Option	Rear output, AC Input (AC100, AC110, AC230), GPIB, GPIB Cable, RS-232 Cable, Rack Mount Kit.