

datasheet

DPS16 Device Power Supply

credence™ Diamond Series

*16-Channel Device Power Supply Instrument*

The *Credence DPS16 Device Power Supply* is a high-performance 16-channel power supply instrument for the Diamond series. Diamond is a low-cost multi-site test system designed for cost-sensitive digital and mixed-signal devices.

applications

- * Microcontrollers
- * Display Drivers
- * ASSP
- * ASIC
- * Glue logic devices

summary

The DPS16 device power supply is a high-performance power supply card. The 16 channels available can supply up to 2 A over a 0 to 6 volt range. This multi-channel power supply facilitates multi-site testing of devices on the low-cost Diamond test system.

specifications

Channels Per Instrument	16
Force/Measure Voltage Range	0 V to 6 V
Force Resolution	13 bits
Measure Resolution	16 bits
Maximum Output Current	2 A per channel, gangable to 16 A
Current Ranges	200 μ A, 2 mA, 200 mA, 2 A
Resolution	16 bits
Capacitive Load	>100 μ F maximum
Triggering	Internal and external for measurement sampling
Accuracy	
Vforce/Vmeasure	.1% of value \pm 3 mV
Imeasure	.2% of value \pm .1% of range



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