

datasheet

VIS16 Voltage/Current Source

credence™ Diamond Series



Sixteen-Channel, Four-Quadrant Voltage/Current (V/I) Source and Measure Instrument

The *Credence Sixteen-Channel, Four-Quadrant Voltage/Current Source and Measure (VIS16)* instrument for the Diamond series delivers more performance from DC resources than is possible with a device power supply or PMU. This capability makes the instrument ideal for applications in microcontroller, wireless baseband, display driver and wafer sort applications.

features

- * Sixteen VI source/measure channels per instrument
- * Single ended or differential measurements
- * Four quadrant operation
- * Internal and external triggers for measurement sampling
- * 16 bit resolution

summary

The VIS16 is a four quadrant voltage/current source with a voltage range of ± 60 V and a current sourcing capability of ± 300 mA per channel. This instrument supports a wide range of applications in the consumer and communications market. The 16-channel per card density lowers test costs by enhancing multi-site test capabilities.

specifications

Four Quadrant Operation	± 20 V @ ± 300 mA ± 60 V @ ± 100 mA quadrant 2 and 4 with power limitations
Single-Ended Voltage Ranges	± 2 V, ± 6 V, ± 20 V, ± 60 V
Differential Voltage Ranges	± 20 mV, ± 200 mV, ± 2 V, ± 5 V
Force Voltage Accuracy	$\pm 0.06\%$ of FSR
Measure Voltage Accuracy	$\pm 0.06\%$ + offset
Resolution	16 bits
Current Ranges	± 300 nA, ± 3 μ A, ± 300 μ A, ± 3 mA, ± 30 mA, ± 300 mA
Current Clamp Accuracy	$\pm 0.1\%$ of FSR
Capacitive Load	50 μ F maximum

**All specifications subject to change without notice.*



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