

ND2310D 10 Channel Reference Distribution Amplifier



The ND2310D is our most versatile distribution amplifier platform. In its base configuration, it is a high-performance low noise 10 channel amplifier. Each channel is fault and transient protected and monitored by an AC to DC converter. The output voltage of each channel is accessible on the front panel display or serial link enabling amplifier monitoring that can detect degrading channel conditions before a complete channel failure. Alerts can be set to detect a predefined output level threshold. The dual power source option allows the unit to be powered from an AC or DC source and automatically switch to the active source. Dual internal power supplies option boosts the amplifier MTBF. Dual source option allows the amplifier to be driven from two independent references and the unit will automatically select the active source.

- 10 transient and fault protected channels with fault indicators on the front panel. The amplifiers are identical to the amplifiers used in our references to minimize noise contribution.
- Local display provides complete equipment status - power supplies, channel voltages etc.
- Operates from AC or DC power sources independently or redundantly,
- Two stage amplifier design isolates the source from the amplifier outputs thereby protecting the source.

SNMP option for remote monitoring



Built-in Monitoring

```
Channel 10
Threshold Error:
0.23V
Setpoint: 0.30V
```

```
*ALERT*
LOW DC INPUT
20.1V
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Company Datasheet #	ND2310D
Revision #:	A
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Technical Specifications

Bandwidth	20 KHz to 10MHz ± 2 db, 1.5 Vrms Max. adjust= $\sim \pm 2$ dB- Reference Amplifier shipped with restricted bandwidth to minimize phase noise.
Phase Noise	-135 dBc/Hz@ 1Hz, -150 dBc/Hz @ 1 kHz
Channel status, System	10 channel status, system status
Rear panel connectors	10 output, dual signal in and system status , AC power in
Harmonics	< -30dB
Impedance	50 Ohm
AC input	90 to 250 VAC, 50/60Hz, IEC 320-C14
Digital display	4x20 OLED display for status and RS232 remote status.
Options	Dual-power, redundancy, SNMP

Environmental and Mechanical

Operating Temperature	0 to 50°C non-condensing
Storage Temperature	-40 to 70°C
Height	1RU (~1.73)
Width	19.0"
Depth	12.0"
AC input	90 to 250 VAC, 50/60Hz, less than 10 watts
Weight	≈ 5.5 lbs

Options

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