

Compact Driver

Linear Output



- Linearity ★★☆☆
- Resolution ★★☆☆
- Bandwidth ★★★★★
- Up to Six Channels
- Minimum Space Requirement
- No User Adjustments

Specifications:

Resolution:	1.2 μ inch RMS *†
C1-C Probe, Standard Range	30nm RMS
Bandwidth:	Up to 20kHz (-3dB) *
Maximum Error:	0.3% F.S. *
Standard Range	
Maximum Zero Drift:	0.02%F.S./°F *
	0.04%F.S./°C
Output Voltage:	\pm 10VDC
Output Impedance:	0 Ω
Maximum Probe Interchangability Error:	10%
Operating Temperature Range:	40°F-120°F
	4°C-50°C
Drive Frequency:	1MHz
Input Power:	\pm 12-15VDC @50mA/Channel †

*Dependent on probe type and range

†For maximum resolution, switching power supplies should have a switching frequency over 100kHz.

The Compact Driver is designed especially for multi-channel sensing where space is at a premium. It provides accurate linear output of up to six channels of measurement with bandwidth and resolution sufficient for many applications.

Two interface connectors provide separate power and signal out connections.

There are no user accessible adjustments making it perfect for embedded applications. Once calibrated, adjustment errors are not possible.

The compact design of this driver makes it useful in embedded applications requiring multichannel measurement such as servo control and position monitoring.

