

TEKTRONIX

1103

The Tektronix 1103 is a dual-channel TEKPROBE power supply designed to provide external power and offset control to active probes and optical-to-electrical converters when the host oscilloscope or digitizer does not have built-in TEKPROBE interface capabilities. It features two independent channels, each equipped with fine and coarse offset controls, enabling seamless integration of advanced active probes into any standard BNC measurement setup.

SPECIFICATIONS

General

Interfaces	2× TEKPROBE input connectors, 2× BNC signal output connectors
Display	None (Power LED indicator and channel offset LEDs only)

Physical

Power Supply	87 - 128 VAC / 174 - 250 VAC, 48 - 440 Hz, 35 W
Operating Temperature	0 °C to +50 °C °C
Dimensions (W×H×D)	159 mm × 89 mm × 236 mm mm
Weight	1.7 kg kg

Compatibility & Signal Interface

Number of Channels	2
Input Connector Type (to Probe)	TEKPROBE connector
Output Connector Type (to Oscilloscope)	BNC signal output connector
Offset Adjustment Controls	Coarse and fine controls per channel
Offset Enable Switch	Pushbutton switch with LED indicator per channel

Electrical Output Specifications

DC Output Voltage 1	+5 VDC
DC Output Voltage 2	-5 VDC
DC Output Voltage 3	+15 VDC
DC Output Voltage 4	-15 VDC

Power Supply Requirements

AC Input Voltage Range (Low)	87 VAC to 128 VAC
AC Input Voltage Range (High)	174 VAC to 250 VAC
Nominal Operating Voltages	115 VAC / 230 VAC
Line Frequency Range	48 to 440 Hz
Power Consumption	35 W

Physical Characteristics

Power Switch Location	Rear panel
Power Indicator Location	Front panel

Environmental

Operating Altitude	Up to 4,570 m (15,000 ft)
Storage Altitude	Up to 15,240 m (50,000 ft)
Cooling	Convection

Offset Control

Offset Voltage Range (Low)	±1 V
Offset Voltage Range (High)	±10 V

Signal Path

Signal Path Impedance	50 Ω
Signal Path Attenuation	1:1 (direct BNC connection)

Safety & Compliance

Installation Category	Category II
Pollution Degree	2

TECHNOLOGY

TEKPROBE Power Supply Interface

APPLICATIONS

Providing external power and offset control to active probes and optical-to-electrical converters

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.