

KEYSIGHT TECHNOLOGIES (AGILENT HP)

86100A

The Agilent/Keysight 86100A Infiniium DCA is a high-performance wide-bandwidth sampling oscilloscope mainframe. It integrates three instruments into one platform: a general-purpose repetitive sampling oscilloscope, a digital communications analyzer, and a time domain reflectometer (TDR). Featuring a Windows-based operating system, an 8.4-inch color touchscreen display, and a modular architecture with two plug-in slots, it provides highly accurate and comprehensive measurements for high-speed digital communications, optical components, and TDR analysis.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488), LAN (10Base-T), RS-232, Parallel (Centronics), VGA Video Out, PS/2 Keyboard/Mouse
Display	8.4-inch color LCD touchscreen

Physical

Operating Temperature	+10 to +40 °C
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Mainframe Characteristics

Module Slots	2
Operating System	Windows-based
Instrument Modes	Oscilloscope, Eye/Mask (Digital Communications Analyzer), Time Domain Reflectometer (TDR)

Vertical System

Bandwidth	Module dependent (up to 80+ GHz)
Number of Channels	Up to 4 (module dependent)
Vertical Resolution	14-bit (Mainframe A/D converter)

Horizontal System / Timebase

Record Length	16 to 4096 points
Sample Rate	40 kSa/s (Maximum)

Trigger System

Trigger Sources	Front panel external trigger, Freerun
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Measurement and Analysis Features

Histograms	Vertical (voltage/power), Horizontal (time)
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Display System

Display Size	8.4 inch
Display Type	Color LCD Touchscreen

Environmental and Compliance

Storage Temperature	-40 °C to +70 °C
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TECHNOLOGY

Digital Sampling Oscilloscope / Digital Communications Analyzer

APPLICATIONS

High-Speed Digital Communications, Optical Transceiver Testing, Eye Diagram Analysis, TDR/TDT Analysis

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