

UC INSTRUMENTS GM8030 PLC Insertion Loss/PDL Test System

Technical Specifications V1.01
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The UC INSTRUMENTS' GM8030 PLC Insertion Loss/PDL test system is special design for 1X 8, 1 X 16, 1 X 32, 1 X 64 PLC components and modules' insertion loss/PDL test. GM8030 provides high performance 8 channels optical power meter, 1 X 4 optical switch and build-in PDL controller configuration. It offer superior performance for the insertion loss and PDL test of 1x8, 1x16, 1x 32, 1x64 PLC, CWDM, DWDM and AWG components and modules. It is special design for volume high channels count PLC, AWG, CWDM, DWDM components and modules production line application.

Features

- Build-in 8 Channels Power Meter
- Build-in 1 X4 Optical Switch System
- Build- in PDL Controller
- Smart Multi-channel IL, PDL Test Capability
- Computer Software Control Testing Option, Report
- Affordable price

Applications

- PLC Components IL, PDL Test
- Multi - channels CWDM Module IL, PDL Test
- Multi-channels DWDM modules IL, PDL Test
- Fiber Sensor , Fiber Cable test
- Fiber Optical , Telcom R & D lab test

Specifications

Model #	GM8030
<i>Operation Wavelength</i>	850 ~ 1700 nm
<i>Test Parameters</i>	<i>Insertion Loss/PDL/Coupling Ratio/Access Loss</i>
<i>Power Meter Channel</i>	8
<i>Power Measurement Range</i>	+ 3 ~ -80 dBm
<i>Application Fiber Type</i>	Standard SM and MM up to 62.5 um core size
<i>Uncertainty (accuracy) at reference condition</i>	+/- 4% (1200 nm ~ 1610 nm)
<i>Relative Uncertainty (accuracy) at reference condition</i>	< 0.02 dB Typical
<i>Linearity (power)</i>	<= +/- 0.06 dB (1200 nm ~ 1610 nm, + 0~ -60 dBm)
<i>Power Meter Connector</i>	FC/SC/ST/2.5mm Universal
<i>PDL measurement uncertainty</i>	±0.04 dB
<i>PDL measurement repeatability</i>	±0.01 dB
<i>Insertion Loss uncertainty</i>	±0.1 dB
<i>Input Light Source Channels</i>	4
<i>Test Software</i>	GM8030 Test System Software
<i>Light Source Input Connector</i>	FC/PC
<i>Communication Port</i>	RS232
<i>Operation Temperature</i>	0~ +40°C
<i>Storage Temperature</i>	-30~ +80°C
<i>Power Supply</i>	AC 110 ~ 220 V ±10%, 50Hz, 20W
<i>Dimensions</i>	3 U Rack Mount
<i>Weight</i>	10.0 kg

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UC INSTRUMENTS provides high performance, high value, low cost, affordable test and measurement instruments solution for our customers. Our extensive support sources can help you choose right UC INSTRUMENTS' products for your application and apply them successfully. Every instruments and system we sell a global warranty. All of our instruments with at least 12 months factory warranty.

Our Promise

All of UC INSTRUMENTS' test and measurement instruments and system will met its advertised performance and functionality. When you select UC INSTRUMENTS' products, we can verify if it is work properly, help with products operation, and provides the basic measurement assistance for the use of special capabilities.

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