Transient Limiter

GPL-5010

USER MANUAL

GW INSTEK PART NO.

ISO-9001 CERTIFIED MANUFACTURER

GW INSTEK

Good Will Instrument Co., Ltd.
No. 7-1, Jhongsing Rd., Tucheng Dist., New Taipei City 236, Taiwan

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OVERVIEW

GWINSTEK GPL-5010 transient limiter is commonly used to test electromagnetic interference. For EMI testing, when accidentally overloaded, it can protect the terminal circuit and the valuable EMI test equipment. Meanwhile, together with our GLN-5040A Two Line V-Network, they constitute a complete EMI test system.

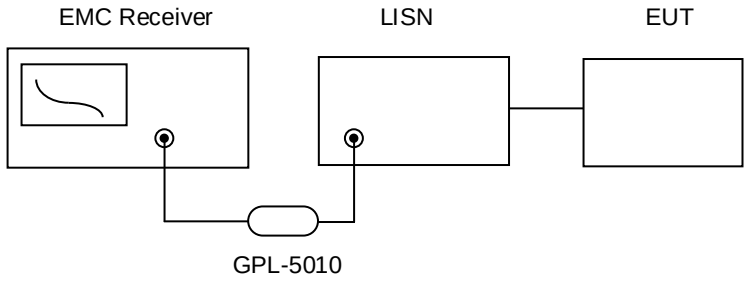
PACKAGE CONTENTS

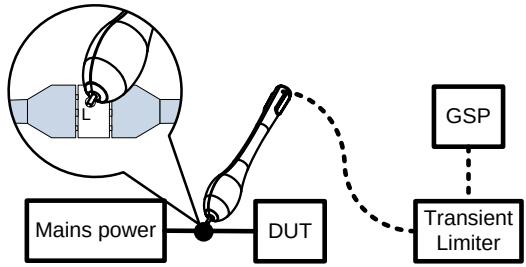
Item	Quantity
Limiter main unit	1 Pcs
User instruction manual and warranty card	1 Book
Test report	1 Sheet

APPLICATION

- It can be used in Power supply (switch type and linear) design.
- It can be used in Inverter/transformer design.
- It can be used in LED illumination design.

SCHEMATIC DIAGRAM





APPEARANCE

Input Interface: BNC female

Output Interface: N male

APPENDIX

GPL-5010 Specifications

Bandwidth		9kHz-200MHz	
Limit level		50mW(+17dBm)	
System impedance		50Ω	
Connectors	Input	Input : BNC (female)	
	Output	Output : N (male)	
Maximum input level		Continuous: 2.5W(+34dBm)	
		Pulse: 10kW(10uS)	
		DC: ±12V	
Insertion loss		<2kHz	>30dB
		9kHz-50MHz	10dB±0.5dB
		50MHz-200MHz	10dB+2.2dB/ 10dB-0.5dB
		<6kHz, >400MHz	>13dB
Frequency response curve		Figure 1(25°C)	
Amplitude limiting specification curve		Figure 2(25°C)	
Operating temperature		0°C-55°C	
Storage temperature		-40°C-80°C	
Dimensions		118mm(L)x44mm(W)x23mm(H)	
Weight		Approx. 92g	
Certification		CE(EN61010-1:2010 EN61326-1:2013 EN61000-3-2:2014 EN61000-3-3:2013)	

Figure 1 Frequency Response Curve

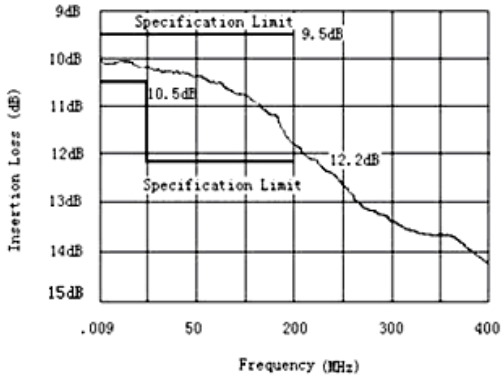


Figure 2 Amplitude Limiting Specification Curve