

# Transient Limiter

GPL-5010



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## USER MANUAL

GW INSTEK PART NO.



ISO-9001 CERTIFIED MANUFACTURER

**GW INSTEK**

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# **O**VERVIEW

GW INSTEK 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.



# P PACKAGE CONTENTS

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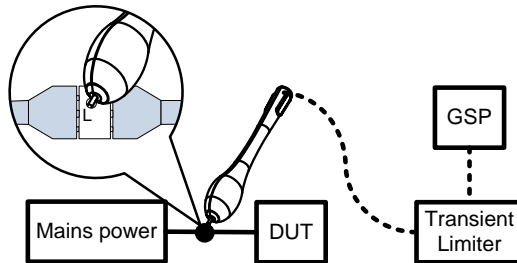
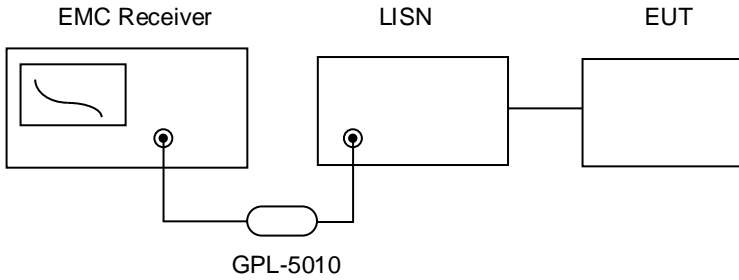
Item	Quantity
Limiters main unit	1 Pcs
User instruction manual and warranty card	1 Book
Test report	1 Sheet

# **A**PPPLICATION

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- 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.
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# S SCHEMATIC DIAGRAM



# A PPEARANCE

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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

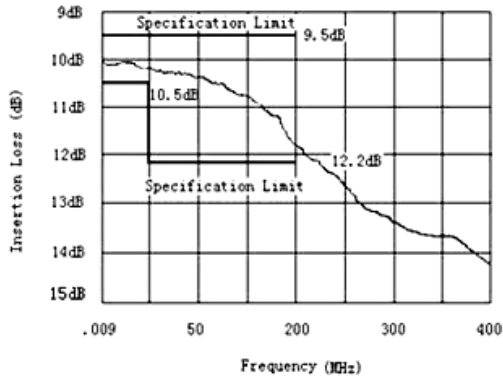


Figure 2  
Amplitude  
Limiting  
Specification  
Curve

