

# Leader

GST90A12

AC アダプター

AC ADAPTER

## 取扱説明書

### Instruction Manual

お買い上げいただきありがとうございます。

この取扱説明書と付属の「製品を安全にご使用いただくために」をよくお読みのうえ、製品を安全にお使いください。

Thank you for purchasing.

Please carefully read this instruction manual and the included "GENERAL SAFETY SUMMARY". Please use the product safely.

Contact Us  
Head office Sales Department

**Leader Electronics Corporation**


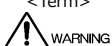

Dec.16, 2020 V2

## GENERAL SAFETY SUMMARY

- Read This before Using the Instrument  
This instrument should only be used by persons with sufficient knowledge of electronics who thoroughly understand the contents of this manual.

This instrument is not designed or manufactured for households or ordinary consumers. If a person without sufficient knowledge of electronics uses this instrument, it may be damaged, and the user may be injured. Such a person should not use this instrument unless they are supervised by a person who does possess such knowledge.

- Note about Reading This Manual  
The contents of this manual contain specialized terminology and may be difficult to understand. If you have any questions about the contents of this manual, please contact your local LEADER agent.
- Symbols and Terms  
The following symbols and terms are used in this instruction manual and on the instrument to indicate important warnings and notes.

	This symbol appears in this instruction manual and on the instrument to indicate an area where improper handling could result in personal injury, damage to the instrument, or malfunction of the instrument or devices connected to it. When you encounter this symbol on the instrument, be sure to refer to the information in this instruction manual that corresponds to the area that the symbol marks.
	Ignoring the precautions that this term indicates could lead to death or serious injury.
	Ignoring the precautions that this term indicates could lead to personal injury or damage to the instrument.

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## 1. INTRODUCTION

Thank you for purchasing this LEADER instrument. To use this instrument safely, read this instruction manual thoroughly, and make sure that you know how to use the instrument properly.

If some point about the operation of this instrument is still unclear after you have read this instruction manual, refer to the contact information on the back cover of the manual to contact LEADER, or contact your local LEADER agent.  
After you have finished reading this manual, keep it in a convenient place so that you can refer to it when necessary.

## 2. SCOPE OF WARRANTY

This LEADER instrument has been manufactured under the strictest quality control guidelines.

LEADER shall not be obligated to furnish the following free services during the warranty period.

- Repair of malfunction or damages resulting from fire, natural calamity, or improper voltage applied by the user.
- Repair of an instrument that has been improperly repaired, adjusted, or modified by personnel other than a factory-trained LEADER representative.
- Repair of malfunctions or damages resulting from improper use.
- Repair of malfunctions caused by devices other than this instrument.
- Repair of malfunctions or damages without the presentation of a proof of purchase or receipt bill for the instrument.

## 3. GENERAL

GST90A12 is dedicated AC adapter for made by LEADER.

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## GENERAL SAFETY SUMMARY

Read the warnings and information below thoroughly to avoid death, personal injury, and damage and deterioration of the instrument.



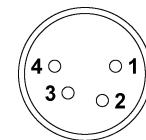
- Warnings Concerning the Case  
Do not remove the instrument's case for any reason. Touching the internal components of the instrument could lead to fire or electric shock.  
Also, do not allow foreign materials, such as liquids, combustible matter, and metal, to enter the instrument. Turning the instrument on when such materials are inside it could lead to fire, electric shock, damage to the instrument, or some other accident.
- Warnings Concerning the Power Source  
Use a line voltage in the range of 100 to 240 VAC. A line voltage exceeding this range may cause fire. Only use a power source whose frequency is 50/60 Hz.  
  
Use a power cord that is appropriate for the voltage of the power source. Also, use a power cord that meets the safety standards of the country that you are using it in. Using a power cord that does not meet the standards could lead to fire. If the power cord is damaged, stop using it, and contact your local LEADER agent. Using a damaged power cord could lead to electrical shock or fire.  
When removing the plug from the power outlet, do not pull on the cord. Pull from the plug.

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## 4. SPECIFICATIONS

Environmental Conditions	
Operating Temperature Range	0 to 40 °C
Operating Humidity Range	20 to 90 %RH (no condensation)
Operating Environment	
Elevation	Indoors
Overvoltage Category	Up to 2,000 m
Pollution Degree	II
Power Requirements	
Input	100 to 240 VAC, 50/60 Hz, 1.3 A (AC115V)
Output	12 VDC, 6.67 A max.
Dimensions	60 (W) × 32 (H) × 145 (D) mm (without cord)
Weight	0.45 kg (without cord)
Accessories	Power cord .....1 Instruction manual .....1

## 5. OUTPUT CONNECTORS



Pin No.	Pin Name
1	GND
2	NC
3	NC
4	+12V

\* Do not connect anything to NC.

## 6. HOW TO USE

Connect this AC adapter to the instrument's DC input terminal. We recommend you replace the AC adapter at least once every five years.

6 Test Equipment Depot - 800.517.8431 - TestEquipmentDepot.com

## GENERAL SAFETY SUMMARY



- Installation Environment
  - Operating Temperature Range  
Use this instrument in a 0 to 40 °C environment. Using this instrument in a high-temperature environment could lead to fire.  
Drastic changes in temperature, such as might be caused by moving the instrument between two rooms with different temperatures, can damage the instrument by causing condensation to form within it. If there is a possibility that the instrument has condensation within it, wait for approximately 30 minutes before turning on the power.
  - Operating Humidity Range  
Use this instrument in an environment whose relative humidity is 20 to 90 % where there is no threat of condensation forming. Also, do not operate this instrument with wet hands. Doing so could lead to electric shock or fire.
  - Do Not Operate in an Explosive Atmosphere  
Using this instrument in an environment where flammable gasses, explosive gasses, or steam is emitted or stored could lead to an explosion or fire. Do not use the instrument in such an environment.
  - Do Not Insert Foreign Materials  
If foreign materials, such as metal, flammable objects, or liquid are allowed into the instrument (through the vents for example), fire, electric shock, damage to the instrument, or some other accident may result.
- If You Notice Something Wrong during Operation  
If you notice smoke, flame, a strange smell, or something else that is wrong with the instrument while you are operating it, a fire may occur. Remove the power cord from the outlet to stop operation immediately. After making sure that fire has not spread anywhere, contact your local LEADER agent.

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Following information is for Chinese RoHS only

## 所含有毒有害物质信息

部件号码: GST90A12


此标志适用于在中国销售的电子信息产品。依据2006年2月28日公布的《电子信息产品污染控制管理办法》以及SJ/T11364-2006《电子信息产品污染控制标识要求》，表示该产品在使用完后可再利用。数字表示的是环境保护使用期限。只要遵守与本产品有关的安全和使用上的注意事项，从制造日算起在数字所表示的年限内，产品不会产生环境污染和对人体、财产的影响。产品适当使用后报废的方法请遵从电子信息产品的回收、再利用相关法令。详情请咨询各级政府主管部门。

部件名称 Parts	产品中有毒有害物质或元素的名称及含量 有毒有害物质或元素 Hazardous Substances in each Part					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
主体部	×	○	○	○	○	○
附件	×	○	○	○	○	○
包装材	○	○	○	○	○	○
备注) ○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 规定的限量要求以下。 ×: 表示该有毒有害物质或元素至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。						

Ver. 1

## GENERAL SAFETY SUMMARY



- Cautions Concerning the Output Connector  
Do not apply an external signal to the output connectors. Also, do not short the output connectors. Doing so may damage the instrument and devices that are connected to it.
- If You Will Not Use the Instrument for an Extended Period of Time  
If you will not use the instrument for an extended period of time, remove the power plug from the outlet.
- Cautions Concerning the Mechanical Shock  
Please be careful not to expose the instrument to other forms of severe mechanical shock.
- Routine Maintenance  
When you clean the instrument, remove the power plug from the outlet.  
Do not use thinner or benzene when you clean the instrument. Doing so could lead to paint chipping and the corrosion of plastic components. To clean the case, use a soft cloth with mild detergent, and wipe gently. While cleaning, make sure that foreign materials, such as water and detergent, do not enter the instrument. If liquid or a metal object enters into the instrument, fire or electric shock may result.
- About the European WEEE Directive  
 This instrument and its accessories are subject to the European WEEE Directive. Follow the applicable regulations of your country or region when discarding this instrument or its accessories. (WEEE stands for Waste Electrical and Electronic Equipment.)

If you have any questions or comments about this instruction manual, please contact your local LEADER agent.

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