

# TLV Audiophone

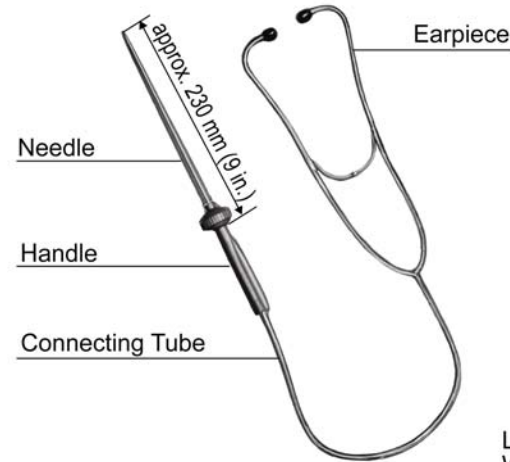
## Instruction Manual

### Model AP1

Keep this sheet in a safe place for future reference.



## Specifications/Dimensions



Length: 1190 mm (46 7/8 in.)  
Weight: 108g (3.8 oz.)

Needle: Stainless Steel, Handle: ABS Resin  
Standard Needle Length: 230 mm (9 in.),  
Option: 400, 600, 1000 mm, etc. (15 3/4, 23 5/8, 39 3/8 in., etc.)

## Product Warranty

1. **Warranty Period**  
One year following product delivery.
2. **Warranty Coverage**  
TLV CO., LTD. warrants this product to the original purchaser to be free from defective materials and workmanship. Under this warranty, the product will be repaired or replaced at our option, without charge for parts or labor.
3. This product warranty will not apply to cosmetic defects, nor to any product whose exterior has been damaged or defaced; nor does it apply in the following cases:
  - Malfunctions due to improper installation, use, handling, etc., by other than TLV CO., LTD. authorized service representatives.
  - Malfunctions due to dirt, scale, rust, etc.
  - Malfunctions due to improper disassembly and reassembly, or inadequate inspection and maintenance by other than TLV CO., LTD. authorized service representatives.
  - Malfunctions due to disasters or forces of nature.
  - Accidents or malfunctions due to any other cause beyond the control of TLV CO., LTD.
4. Under no circumstances will TLV CO., LTD. be liable for consequential economic loss damage or consequential damage to property.

## Service

For Service or Technical Assistance: Contact your TLV representative or your regional TLV office.

North America: [1]-704-597-9070  
Mexico: [52]-55-5359-7949  
Argentina: [54]-(0)11-5197-7274  
United Kingdom: [44]-(0)1242-227223  
France: [33]-(0)4-72482222  
Germany & Other European Countries: [49]-(0)7263-9150-0  
Australia: [61]-(0)3-9873-5610  
China: [86]-21-6482-8622  
Malaysia: [60]-3-5635-1988  
Korea: [82]-(0)31-726-2105  
Other South-East Asian Countries: [65]-6747-4600  
Other Countries: [81]-(0)79-427-1818

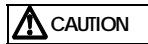
## TLV CO., LTD.

881 Nagasuna, Noguchi Kakogawa, Hyogo  
675-8511, JAPAN  
Tel: 81-(0)79 - 422 - 1122  
Fax: 81- (0)79 - 422 - 0112

## Safety Considerations

- Read this section carefully before use and be sure to follow the instructions.
- Installation, inspection, maintenance, repairs, disassembly, adjustment, and valve opening/closing should be carried out only by trained maintenance personnel.
- The precautions listed in this manual are designed to ensure safety and prevent equipment damage and personal injury.
- The cautionary items are very important for safety: be sure to observe all of them as they relate to installation, use, maintenance, and repair. Furthermore, TLV accepts no responsibility for any accidents or damage occurring as a result of failure to observe these precautions.

## Symbol



Indicates that there is a possibility of injury or equipment / product damage.

	<p><b>Use this product only as intended and DO NOT use it to inspect non-metal objects, etc.</b> The metal listening needle can scratch or damage inspected equipment.</p>
	<p><b>Do not abuse this product or swing it around.</b> The metal listening needle can cause damage to eyes and other body parts.</p>
	<p><b>Make sure the location is safe before performing an inspection, and be aware of hot surfaces, rotating machinery, high-locations, etc.</b> Failure to take proper safety precautions can lead to burns or other injury.</p>
	<p><b>Do not change locations with the earpiece on.</b> Falls or other accidents may results in injury or damage to the ears. The earpiece may also make it difficult to hear warnings or other sounds.</p>

## Features

- The AP1 amplifies the sound of operation and flow allowing the user to distinguish subtle sounds.
- Lightweight, portable and easy to handle.

## Applications

- Inspecting steam traps or valves for leaks
- Inspecting bearings of electric motors and other rotating machinery
- Inspecting motors, pumps or other general machinery