



# Test Report

## EN 60529:1991

### Degrees of protection provided by enclosure (IP code)

Report No.-----	:	LM-S08008
Issue Date-----	:	Jan. 29, 2008
Testing laboratory-----	:	Liming Technology LTD.
Address-----	:	8F., No. 482, Sec. 5, Jhongsiao E. Rd., Sinyi District, Taipei City 110, Taiwan (R.O.C.)
<b>Applicant:</b>		
Name-----	:	SANHOTAI ENTERPRISE CO., LTD.
Address-----	:	NO. 104, WU KUNG 2ND RD., WU KU HSIANG, TAIPEI HSIEN, TAIWAN, R.O.C.
<b>Test product:</b>		
Name-----	:	HOUSING
Model-----	:	GL-618

#### Specification: EN 60529:1991

Specification for Degrees of protection provided by enclosures (IP code)

#### Conclusion:

The Device Under Test (DUT) is considered as meeting Specification for IP 55

Reported by: \_\_\_\_\_ / Test Engineer

Approved by: \_\_\_\_\_ / Managing Director

This Test Report relates only to the DUT.

This Test Report shall not be reproduced without the written approval of the Laboratory

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## 1. Test method for first characteristic numeral 5:

- 1.1 The DUT was placed inside a dust chamber for 8 hours.
- 1.2 The DUT was considered as category 1 enclosure.
- 1.3 Talcum powder was used during test.

### ● Acceptance Conditions

The protection is satisfactory if, on inspection, talcum powder has not accumulated in a quantity or location such that, as with any other kind of dust, it could interfere with the correct operation of the equipment or impair safety, Except for special cases to be clearly specified in the relevant product standard, no dust shall deposit where it could lead to tracking along the creepage distance.

### ● Observation

There was no accumulation of talcum powder inside the DUT.  
The DUT function was not interfered after testing

### ● Result:

The DUT meets IP 5X specification.

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## 2. Test method for second characteristic numeral 5:

- 2.1 The DUT was subjected to water spray with a standard test nozzle for a duration of 3 minutes.
- 2.2 The DUT was placed 2.5m distances from the nozzle.

### ● Acceptance conditions

In general, if any water has entered, it shall not:

- be sufficient to interfere with the correct operation of the equipment or impair safety
- deposit on insulation parts where it could lead to tracking along the creepage distance
- reach live parts or windings not designed to operate when wet
- accumulate near the cable end or enter the cable if any

### ● Observation

There was no water leak inside the DUT.

The DUT function was not interfered after testing.

### ● Result:

The DUT meets IP X5 specification.

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