



▶▶▶ **Early Streamer Emission Lightning Protection (ESE)**



Manufacturer Head Office:



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Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

Lytech Technologies Pte Ltd
51 Ubi Avenue 1
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Singapore 408933

Holds Certificate No:

FM 665172

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

The design, manufacture & sales of lightning and earthing materials

For and on behalf of BSI:

Michael Lam - Managing Director Assurance, APAC

Original Registration Date: 2017-01-14

Latest Revision Date: 2022-12-15

Effective Date: 2023-01-14

Expiry Date: 2026-01-13

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Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

This certificate is valid only if provided original copies are in complete set.

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▶▶▶ Early Streamer Emission Lightning Protection

Lightning Strike Counter



The product combines lightning strike counting, surge counting status monitoring and breaker status monitoring functions. LCD displays the data of lightning strike or surge events including the number, hour, minute and date.

FEATURES

- Lightning sensor collects multiple wave forms of lightning or surge events.
- Internal lithium replaceable battery, with up to **10-years of life**.
- Buttons enable **TIME and DATE** setting and log viewing.
- Counting reset and preset.

Technical Data

Part No.	LSC-500H
Size	110 x 80 x 80
Order Code	995001
Standard	IEC / EN 62561-6
Data Collecting Mode	Internal actuator and sensor
Internal Battery Lifetime	Up to 10 years
Internal Replaceable Lithium Battery	ER 14505 * 2 5400mA / H
Maximum Events Logged	9999
Minimum Detectable Current	500A (8 / 20 μ s) 1kA (10 / 350 μ s)
Maximum Detectable Current	120kA (8 / 20 μ s) 100kA (10 / 350 μ s)
Additional Function	Time set, log reset
Counter Mounting Method	Installed at copper bar, cable, down conductor
Cross Section Area Of Cable	2.5 - 50mm ²
Down Conductor / Steel Flat	≤4 * 40mm
Temperature, Relative Humidity	-25°C...+ 75°C, ≤95%
Enclosure Grade	IP67
Enclosure Materials	ABS + PC
Dimension	H110 * W80 * L80 (including rack mounting)
Weight	520g
Warranty	2 years

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Lightning Event Counter



Lightning strikes count are monitored by LYTECH LEC, which is able to give some information about the intensity of the lightning occurrence in the area.

Part No.	Dimension H x W x L (mm)	Description
LY-LEC	185 x 57 x 64	LYTECH Lightning Event Counter - Enclosure Rating - IP67 - Detect Current from 2 to 200kA - 6 Digits Mechanical Counter

Masts and Bases



Made from Hot Dipped Galvanised or Aluminium. It is commonly used for mounting E.S.E. air terminal.

Part No.	Height (mm)	Material	Description
LY-PHG-2M	2000	Hot Dipped Galvanised	HDG Pole With Base
LY-PAL-2M	2000	Aluminium	Aluminium Pole With Base

*Other materials (eg. Stainless Steel) available upon request
Other lengths (3m, 5m etc.) available*

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E.S.E. Tester



E.S.E Terminal can be tested using our E.S.E tester. The tester is used during our regular maintenance cycle to ensure that the E.S.E terminal is functioning properly.

Part No.	Dimension H x W x L (mm)	Description
L-ESE-Tester	113 x 7 x 4.8	The tester will indicate OK or FAULT with the help of red or green LED

Guy Wire Kit



SS316 guy wire kit is suitable for use in installation of pole mast.

Part No.	Dimension (m)	Material
GUY-WIRE-7M-SS	7	SS316

**Other length are available upon request*

Authorised Distributor:



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