AVoptics
YOUR REQUIREMENTS, OUR CAPABILITY

New
AVliteCure™ LT Series

- **Handheld Fibre Optic Oven**
- **Fast Curing**
- **Battery Operated**
- **Programmable Controller**
- **Secure Termini Clamping**

High Performance Fibre Optic Curing Oven

The AVliteCure™ is a field deployable portable oven used to precisely cure epoxy adhesive during the fibre optic termination process. Its robust and ergonomic design can be easily used by an operator in confined spaces and harsh environments.

The oven uses a unique combination of light and heat to rapidly cure standard fibre optic epoxies in a fraction of the standard time while still achieving the same quality of a traditional cure.

The oven is compatible with most commercial and military fibre optic termini - including ARINC and MIL specifications.

The digital programmable controller on the LT200 ensures accurate and repeatable cure profiles, removing operator variations and errors from the curing process.

Key Features and Benefits

✳ **Fast cure times**
Cure times of just six minutes can offer the same quality bond as a 60 minute cure in a standard oven.

✳ **Handheld and portable**
Battery powered using a sealed rechargeable lead-acid battery.

✳ **Cure profile memory**
Up to 25 programmable curing profiles can be stored and recalled from memory.

✳ **Easy to use**
Compact design with clear LCD display and large buttons for gloved operations.

Compatible Ferrule Sizes:

✳ **0.7 mm**
✳ **1.25 mm**
✳ **1.58 mm**
✳ **2.5 mm**
✳ **3.2 mm**
✳ **MTP / MPO** *(contact office)*

Please enquire if your connector size is not listed

Oven Options:

* **LT50**
  - Rapid cure, mains powered
* **LT100**
  - Rapid cure, portable battery powered
* **LT200**
  - As LT100, plus profile saving
  - Pre-programmed profiles loaded
* **Data-logging Option**
  - LT100 and LT200 available with data-logging capability
* **Mains Power Option**
  - For the LT100 and LT200
* **Ruggedised Case**
  - All ovens come with a ruggedised case as standard

Multi-Platform Applications

The AVliteCure™ system has been designed to work in the most challenging of situations; underground, in an aircraft or vehicle, or just in a production area. To aid use in these environments, the controls are simple, displays and indicators are clear and easy to read. The oven is compact and ergonomically designed.
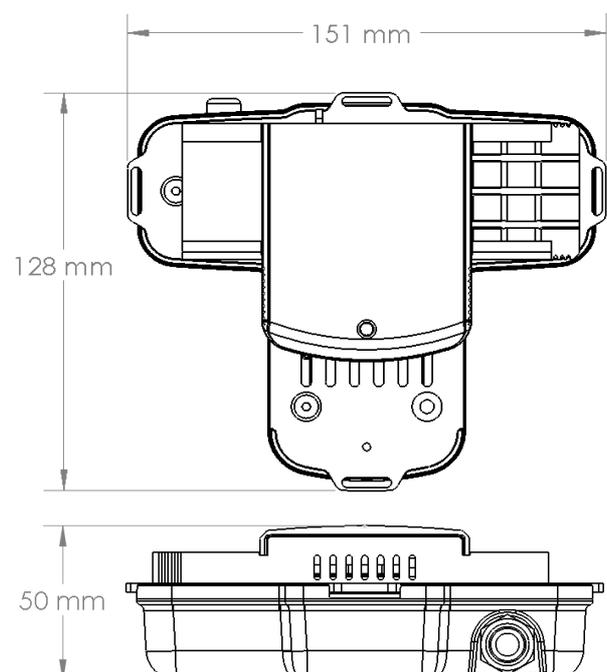
The oven has been extensively tested using numerous termini, including the ARINC 801 (LuxCis® & Elio®), JN 1008 compatible connectors, MIL-PRF-29504, and all major commercial fibre optic connector types (ST, LC, SC, FC, MTRJ, SMA).
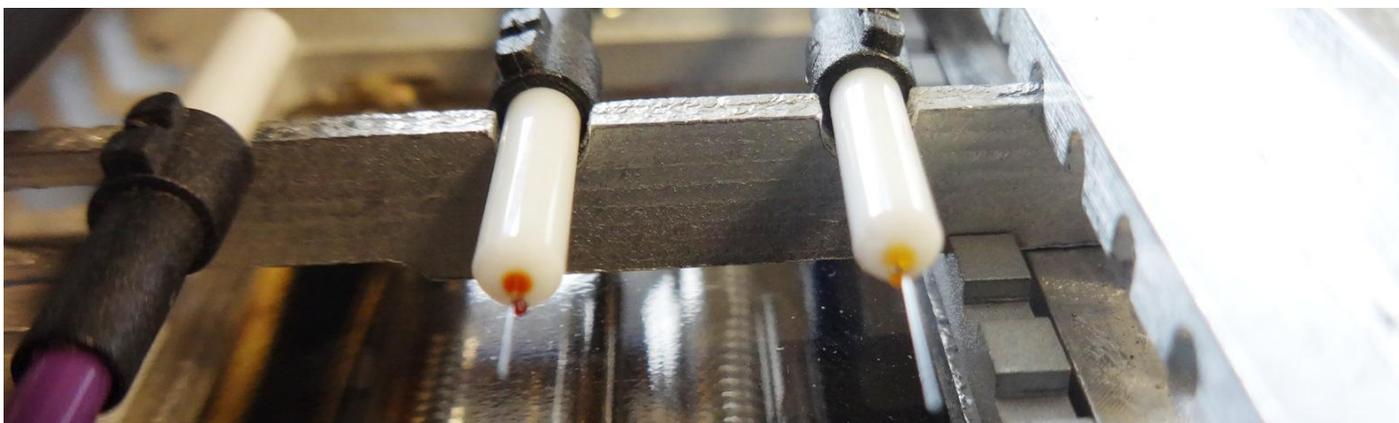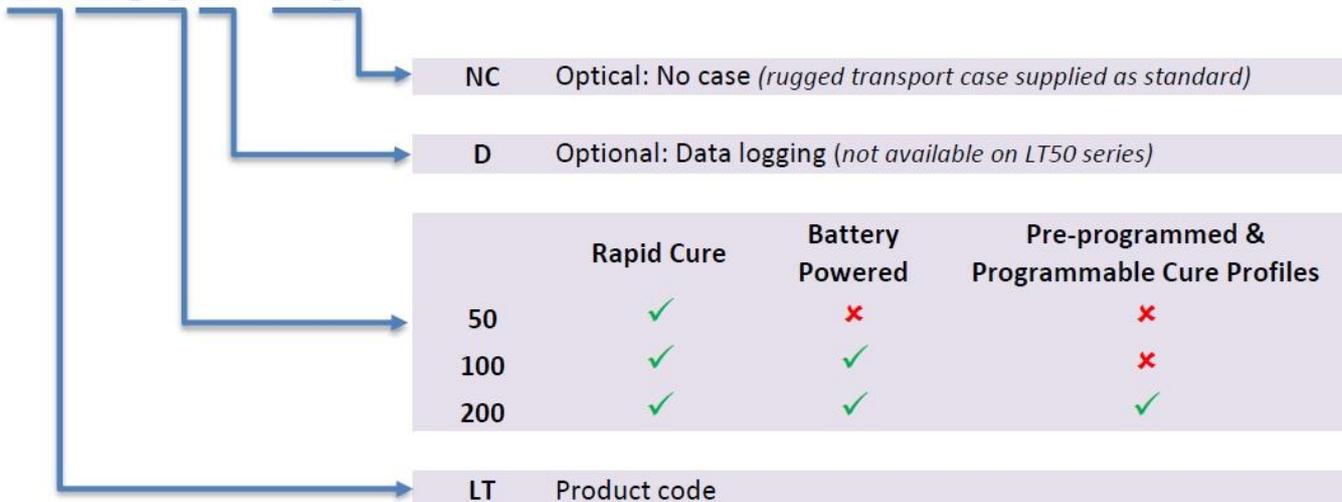
Technical Specification

OVEN	
Mass	450 grams (15.9 ounces)
Cable Length	3 metres (9.84 ft)
Interface	Controller Connector
Mounting	Holder or 3/8" mounting thread
Cure Area	55mm x 36mm x 15mm 2.17" x 1.42" x 0.59"

CONTROLLER	
Mass	2.9 kg (6.39 lbs)
Battery Capacity	5 Ah
Technology	Lead Acid (non-spillable)

151 mm

128 mm

50 mm

Part Number Breakdown

LT200D-NC

NC	Optical: No case *(rugged transport case supplied as standard)*	
D	Optional: Data logging *(not available on LT50 series)*	

	Rapid Cure	Battery Powered	Pre-programmed & Programmable Cure Profiles
50	✓	✗	✗
100	✓	✓	✗
200	✓	✓	✓

LT	Product code

Contacts us

For more information, pricing or to request a demonstration, please get in touch via phone or email.
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Other solutions

AVoptics provides a wide range of fibre optic products, harnesses, training and solutions to meet the requirements of most harsh environment and industrial applications. To find out more, visit our website www.avoptics.com. We also have a division specifically created to address the high-end photonics applications for sensing, structural health monitoring, free-space optics and high-speed high-power laser communication systems for subsea and land. To find out more about our LightWorks division, download our data sheet.