**OM-EL-HL**
HANDHELD INFRARED PROGRAMMER/CONTROLLER

For full operating instructions, consult the EL-HL users manual.

The OM-EL-HL provides a simple, low cost means of setting up and operating an EasyLog module without the need for direct connection to a PC. With both InfraRed and RS232 interfaces, OM-EL-HL can operate with all variants of EasyLog. Up to 8 loggers can be connected at one time through the serial link and their data stored on OM-EL-HL and later transferred to a PC for analysis using the OM-EL-WIN application software. Its compact size and battery operation make OM-EL-HL the ideal tool for remote logging applications where a PC or laptop are not suited.

- Battery Powered
- InfraRed and RS232 operation
- Works with all EasyLog Modules
- Pocket Sized
- Low Cost
- Easy to Use
- Data Storage for up to 8 Loggers

**Power supply**
Batteries are field replaceable without loss of data.
Battery type: 2 X AA ALKALINE CELLS.
Approximately 100 hours continuous operation.

**Data Rate**
- InfraRed: 9600 bps, 1200 bps
- RS232: 2400 bps, 4800 bps, 9600 bps, 19200 bps

**Operating Temperature**
-20°C to +50°C.

**Display**
16 X 2 Character.
Character size 1.85W X 2.75H mm

**Keypad**
CLICKTOUCH® tactile feel membrane keypad.

**APPLICATION NOTES**

**Communications Area**
Communications can take place at distances from 0m (i.e. "nose-to-nose") to 1m. The OM-EL-HL should be pointed at the device at the other end of the link. The InfraRed beam spans about 30°, so the two devices do not have to be directly aligned, however, there should be a clear line of sight between them.
SERIAL LINK COMMUNICATION

Fig 1. OM-EL-HL will also communicate with EasyLog modules via conventional RS232 links.

Fig 2 Uploading to a PC for processing and presenting data.

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants that the unit is to be free of defects in materials and workmanship for a period of 13 months from date of purchase. OMEGA Warranty adds an additional one (1) month to the normal sale (1) year product warranty to cover handling and shipping time. This ensures that OMEGA’s customers receive maximum coverage on each product.

If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA’s Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. OMEGA’s WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper installation, improper operation outside of design limits, improper adjustment or modification, or if any serial number has been altered, removed or made illegible.

These products are not designed for use in, and should not be used for, patient connected applications.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit. FOR WARRANTY RETURNS, please have the following information available before contacting OMEGA:

1. P.O. number under which the product was PURCHASED
2. Model and serial number of the product
3. Repair instructions and/or specific problems relative to the product.

OMEGA’s policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

It is the policy of OMEGA to comply with all worldwide safety and EMC/EMI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives. OMEGA will add the CE mark to every appropriate device upon certification.

It is the policy of OMEGA to reproduce, translate, or reduce to any electronic medium or machine-readable form, in whole or in part, without prior written consent of OMEGA ENGINEERING, INC.

The information contained in this document is believed to be correct but OMEGA ENGINEERING, INC. accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

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Several products can be used to connect to the infrared or RS232 ports of Omegameters. These products are not designed for use in, and should not be used for, patient connected applications.

COMPATIBLE PRODUCTS LIST

OM-EL-1
OM-EL-1-12BIT
OM-EL-2
OM-EL-2-12BIT
OM-EL-LITE
OM-EL-2IR
OM-EL-PANEL-IR