


LANDMARK® GRAPHIC (LMG) MkII

AMETEK LAND HAS BEEN MANUFACTURING PRECISION MEASURING EQUIPMENT SINCE 1947. WE ARE SPECIALISTS IN NON-CONTACT TEMPERATURE MEASUREMENT AND COMBUSTION MONITORING WITH APPLICATIONS ACROSS DIVERSE INDUSTRIES SUCH AS STEEL AND GLASS MAKING, POWER GENERATION AND CEMENT MANUFACTURE.

As part of AMETEK Process & Analytical Instruments Division since 2006, our customers benefit from the worldwide AMETEK sales and service team.

 LANDMARK® GRAPHIC (LMG) MkII, a System 4 Signal Processor, is a high precision, multi-function, intelligent infrared thermometer signal processor with graphical display which includes multiple features to improve temperature measurement accuracy and usability.

It can be configured with between one and four independent and individually isolated I/O channels. Multiple languages are user selectable making configuration simple in your local language.

The LMG MkII provides a complete range of thermometer signal conditioning functions including: peak picker, averager, track and hold, high/low alarms and 0 or 4 to 20mA and 1mV/° outputs from each thermometer channel.

LMG MkII features a high brightness touch screen LED display which is easily viewed from a distance or glancing angles. When you choose selections, context sensitive virtual "buttons" make it fast and easy to configure settings. Temperature is displayed as a deviation chart,



line chart, numeric or multi channel display. Serial RS485 communications is now a standard feature.

An optional math function I/O card is available which enables simultaneous algorithms to compute outputs including: maximum, minimum, mean, difference, range and background correction. Typical applications include: monitoring the temperature uniformity across a web or strip using an array 4 thermometers; background reflection compensation from a second sensor; and difference where two thermometers are monitoring the same target spot.

KEY FEATURES

- Highest system accuracy with System 4 thermometers
- Modular configurations - Up to 4 thermometer inputs displayed simultaneously
- High speed, high precision, real time digital signal processing
- High resolution Touch Screen Colour Display with context sensitive user interface
- Multiple language selections
- No multiplexing of signals - all channels run in parallel
- Wide range of processing functions
- Selectable time functions and alarm settings
- 24 V DC Low Voltage operation - includes Power supply with International approvals
- Industry standard 0 or 4 to 20mA isolated outputs, Serial RS485 and alarm contacts
- Optional Mathematical processing capabilities
- Fully backwards compatible with previous model LMG Processors - same panel cut-out and connector plugs
- Easy feature upgrades via USB port

SPECIFICATIONS

| | |
|-----------------|---|
| Accuracy: | 0.12% of reading |
| Outputs: | 0 or 4 to 20mA and Serial RS485 |
| Peak Picker: | 0, 0.25, 0.5, ... 512° / Sec decay rate |
| Averager: | 0, 0.05, 0.1, ... 512 Sec time constant |
| Track and Hold: | 10 ms response time |
| Alarms: | High or Low, NO & NC relays, 2 per channel |
| Options: | Up to four I/O cards, Math Card, Processor Protection cover, Upgrade Kits |

LAND
AMETEK®

www.ametek-land.com
land.enquiry@ametech.com

Land Instruments International
Stubley Lane, Dronfield
S18 1DJ
United Kingdom
Tel: +44 (0) 1246 417691

AMETEK Land China Service
Part A1 & A4, 2nd Floor Bldg. 1
No. 526 Fute 3rd Road East,
Pilot Free Trade Zone 200131
Shanghai, China
Tel: +86 21 5868 5111 ext 122

AMETEK Land - Americas
150 Freeport Road,
Pittsburgh, Pennsylvania, 15238
United States of America
Tel: +1 (412) 826 4444

AMETEK Land India Service
Divyasree N R Enclave, Block A,
4th Floor, Site No 1, EPIP Industrial Area
Whitefield, Bangalore- 560066
Karnataka, India
Tel: +91 - 80 67823240

For a full list of international offices, please visit our website www.ametek-land.com



Copyright © 2008-18 LAND Instruments International.
Continuous product development may make it
necessary to change these details without notice.

MARCOM0466 LMG MkII Rev 1