

LMG MkII

LANDMARK® GRAPHIC

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.

The 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 using an array 4 thermometers; background reflection compensation from a second sensor; and difference where two thermometers are monitoring the same target spot.

High speed, high precision, real time digital signal processing



FEATURES & BENEFITS

- **Industry standard 0 or 4 to20mA isolated outputs,** Serial RS485 and alarm contacts
- **Fully backwards compatible with previous model LMG Processors –** same panel cutout and connector plugs
- **High speed, high precision, real time digital signal processing**
- **Wide range of processing functions**
- **Highest system accuracy** with System 4 thermometers
- **24 V DC Low Voltage operation –** includes Power supply with International approvals
- **Modular configurations** - Up to 4 thermometer inputs displayed simultaneously
- **High resolution Touch Screen Colour Display** with context sensitive user interface
- **No multiplexing of signals** – all channels run in parallel

SPECIFICATIONS

	LMG MkII
LANDMARK GRAPHIC MKLL SUMMARY	
Accuracy	0.12 % 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	17 µm
LANDMARK TECHNIC SUMMARY	
Accuracy:	0.12 % reading
Output	0 to 20 mA or 4 to 20 mA
Peak Picker	0.25 °/s to 512 °/s
Averager	50 ms to 512s
Track and Hold	10 ms response time
Alarms	High or Low

LAND® AMETEK®

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