

SGD 24-M

Panel Pilot Compatible Multifunction Graphics Display

FEATURES

- 2.4" colour TFT screen
- Use Panel Pilot software, to setup and customise the display. Compatible with Windows XP, 2000, Vista and Windows 7 (32-bit)
- 6 types of meter included free
- Option to download other types of meter from the Lascar website
- Programmable with the USB interface
- Simple panel mounting solution
- Wide operating voltage of 4V – 30V d.c.
- Measures voltage from 0 – 40V d.c.

The SGD 24-M is Panel Pilot compatible graphics display with a 320 x 240 pixel colour display and USB programming interface. Using Panel Pilot for Windows software users are able to choose from an ever increasing number of configurations which can then be customised for their needs. Types of meters available include 4 digit voltmeters, bar-graphs and analogue style meters. Colours, text labels and scaling can be customised by the user using the software.

Panel or enclosure installation of the display is simple using 4-screw terminals and a panel fixing clip.

SPECIFICATIONS

	Minimum	Typical	Maximum	Unit
Linearity			±1	Count
Sample rate		3		Samples / second
Operating temperature range	0 (+32)		+40 (+104)	°C (°F)
Supply voltage	4		30	V d.c.
Measurement voltage (single ended only)*	0		40	V d.c.
Supply current @ 5V			95	mA

* The SGD 24-M uses a programmable gain amplifier. The maximum signal voltage is defined in the software at the time of setup up to an absolute maximum of 40V d.c. Exceeding the maximum voltage specified in the software may result in permanent damage to the meter.

SCREW TERMINAL FUNCTIONS

- V+ Positive power supply input (4V – 30V d.c.)
- 0V 0V power supply input
- IN1 Analogue voltage input 1 (maximum of 40V d.c.)
- IN2 Analogue voltage input 2 (maximum of 40V d.c.)

ORDERING INFORMATION

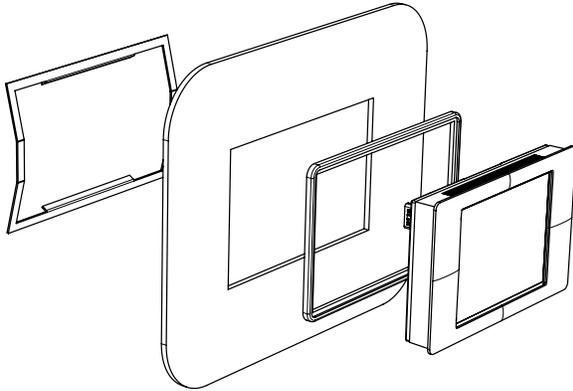
Standard Display Module	SGD 24-M
-------------------------	----------



SGD 24-M

Panel Pilot Compatible Multifunction Graphics Display

MOUNTING METHOD



PANEL PILOT SOFTWARE

Lascar's Panel Pilot software is available free of charge with each display. Easy to install and use, the control software runs under Windows 2000, XP (Home and Professional Editions), Vista (32-bit) and Windows 7. The software is used to setup the appearance and operation of the meter and then upload these settings to the meter.

6 types of meter are supplied with the software. Additional meters will be made available via the Lascar Electronics website, in the future.

The software allows the following parameters to be configured:

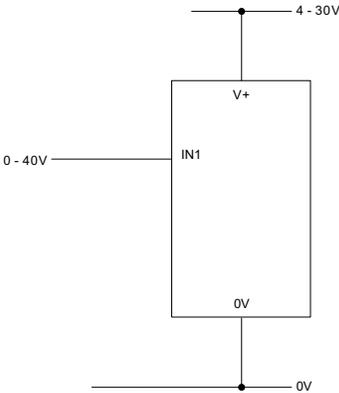
- Meter type
- Text labels (including units and graph labels)
- Background, graph segment and text colours
- Input scaling / calibration (at two points)
- Splashscreen image selection (to display a user image, such as a logo, when the meter is powered up)



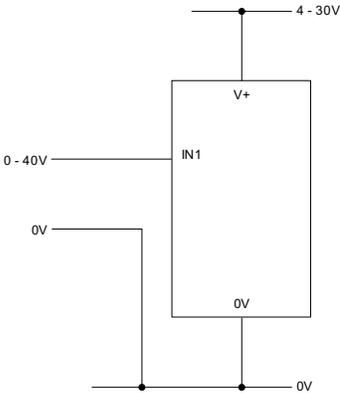
SGD 24-M

Panel Pilot Compatible Multifunction Graphics Display

VARIOUS OPERATING MODES



Measuring a voltage source with a common signal and supply ground



Measuring a floating voltage source