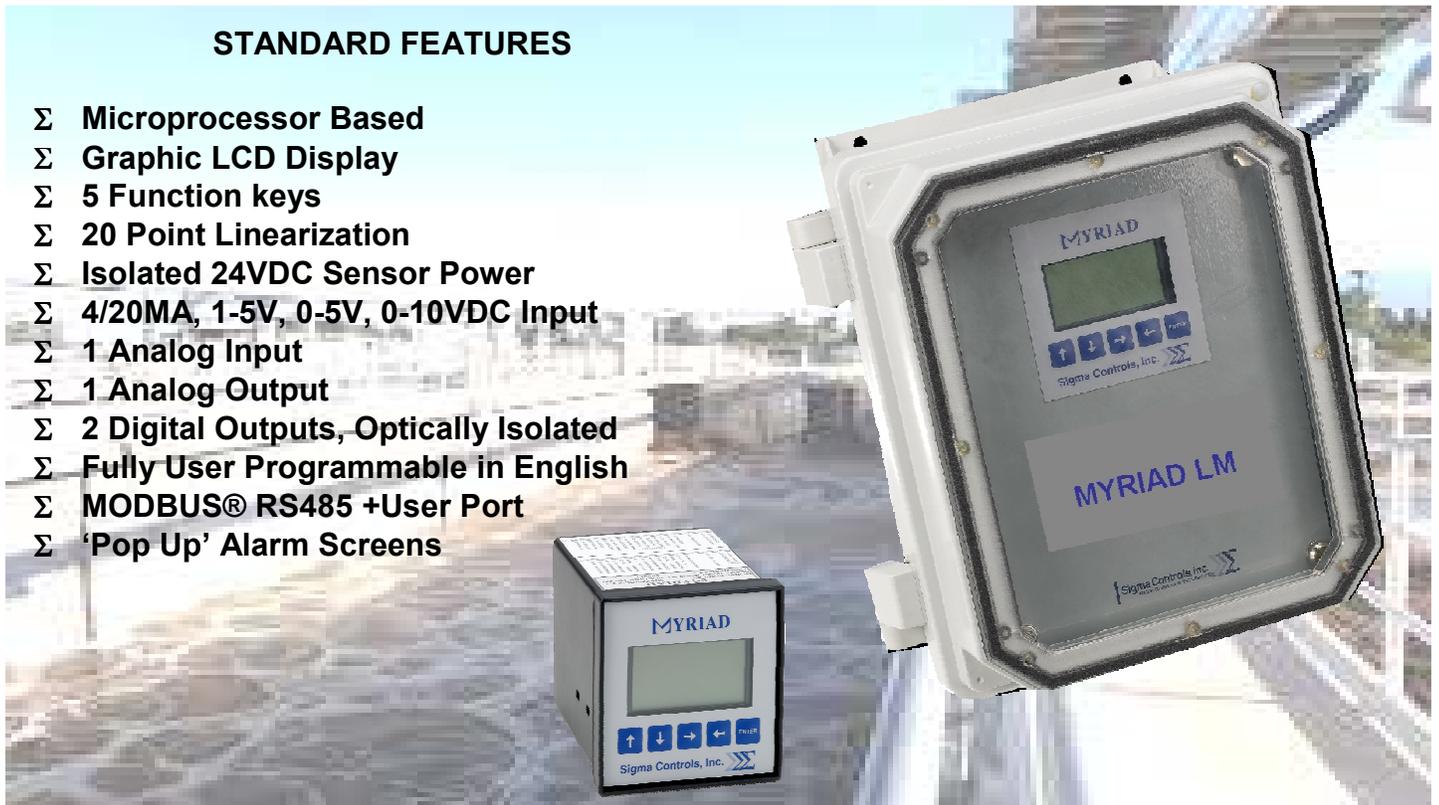


## MYRIAD 'LM' LEVEL METER

### STANDARD FEATURES

- Σ Microprocessor Based
- Σ Graphic LCD Display
- Σ 5 Function keys
- Σ 20 Point Linearization
- Σ Isolated 24VDC Sensor Power
- Σ 4/20MA, 1-5V, 0-5V, 0-10VDC Input
- Σ 1 Analog Input
- Σ 1 Analog Output
- Σ 2 Digital Outputs, Optically Isolated
- Σ Fully User Programmable in English
- Σ MODBUS® RS485 +User Port
- Σ 'Pop Up' Alarm Screens



### THE MYRIAD LM PROVIDES CONTINUOUS LEVEL MONITORING FROM ANALOG INPUTS

- Σ Displays level in numeric and bar graph format
- Σ Completely user programmable
- Σ Selectable engineering units
- Σ Offers two solid state alarm or control outputs with setpoint and deadband adjustment
- Σ 100MA of 24VDC sensor power 'On-Board'
- Σ 20 point user configurable linearizer
- Σ Scaleable 4/20MA retransmit analog output
- Σ Backlit graphical LCD display
- Σ Panel mount ¼ DIN or Nema 4X housing

The Myriad LM ushers in a new generation of digital level meters. From the 1/4 DIN 4" X 4" housing with fully removable P.C. board, to the 128 X 32 pixel bitmapped LCD display and simple user set up, the Myriad LM offers unmatched versatility in level monitoring.

The unit accepts a standard analog input signal and offers isolated retransmission of signal. Digital outputs may be configured for control or alarms and are front panel settable.

Graphical and numerical process displays are standard.

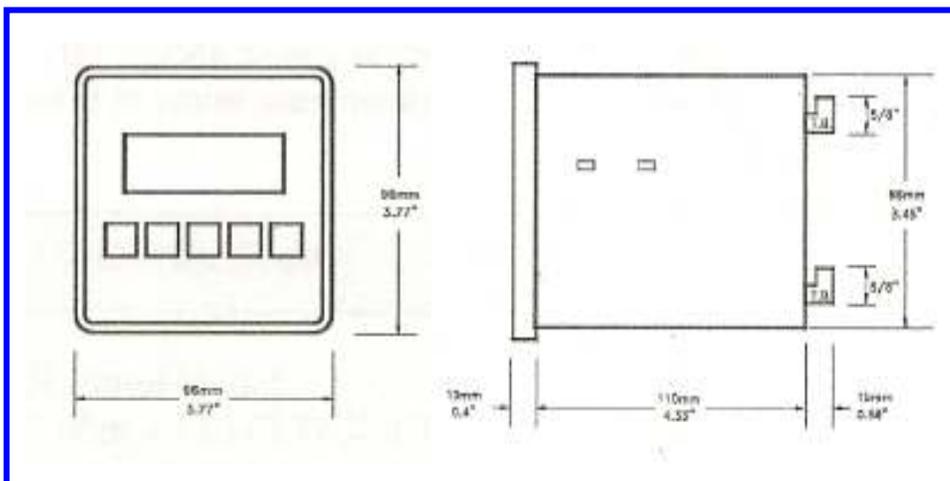
VISIT OUR WEBSITE AT [SIGMACONTROLS.COM](http://SIGMACONTROLS.COM)

# MYRIAD 'LM' LEVEL METER

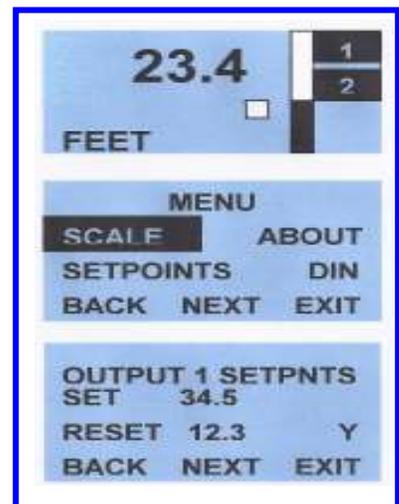
## SPECIFICATIONS

Inputs (1 ea.)	Analog, 4/20MA, 0-5V, 1-5V, 0-10VDC, isolated with common negative, $\pm 0.1\%$ accuracy.
Inputs (4 ea.)	Digital 10-30V AC or DC, 120 or 240VAC (requires external resistor)
Outputs (1 ea.)	Analog, with common negative 0-20MA, 0-5V, 0-10V (voltage output requires a resistor)
Outputs (2 ea.)	Digital, isolated open collector NPN, sinking 100MA, 30VDC max.
Display	LCD, 128 X 32 bitmapped graphical display
Loop Power	24VDC regulated output, 100MA max.
5 User Keys	Up, Down, Left, Right, Enter
Accuracy	0.1% of calibrated span
Lockout	User password
Input Impedance	Voltage 100K current 100 OHMS
Power	120/230VAC, 24VDC
Environmental	Operating 0-65°C, Storage -40° - 80°C, R.H., 0-90% non condensing
Enclosure	1/4 DIN, ABS plastic 96 X 96 X 150mm
Front Panel	Gasketed Nema 4X
Access	Chassis and boards remove from front of case
Terminal Strip	(40) 'Pluggable' for ease of wiring 20 – 16AWG
Connections	Removable screw terminal blocks 28 – 16AWG wire
Alarm Output	Two digital outputs user programmable, open collector NPN
Alarm Annunciation	Multiple alarm annunciation on graphic screen, on board Piezo buzzer
Programming	Menu based, all parameters and setpoints are user configurable via menu prompt and the user keys using the preconfigured screens and 'pull down' sub menus with English prompts assures rapid setup and commissioning.
Warranty	1 Year Warranty
Options	Include relay output, real time clock, expansion cards
'MV NET'	Network allows multiple units to be connected together for distributed applications
Expansion Cards	Allow up to 8 relay outputs, 8 digital outputs, 8 analog inputs and 8 analog outputs in a single 1/4 DIN panel mountable case

## MECHANICAL



## SCREEN SAMPLES



**Sigma Controls, Inc.**  
PROCESS CONTROLS AND INSTRUMENTATION

PH: 215-257-3412  
FAX: 215-257-3416  
EMAIL: [sales@sigmacontrols.com](mailto:sales@sigmacontrols.com)

MYRIAD LM 110922