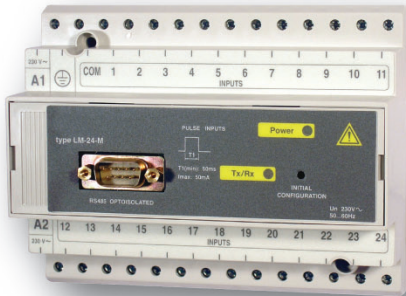# LM Series
Centralized Pulse Modules

- Interfaces with any single or three phase energy meters
- Pulse centralization units with 24 and 50 input capabilities
- Pulse inputs from various sources (energy, gas, water, etc) can be measured to allow the submetering of several units at the same time
- Values are retained even in the event of a power loss
- LM50-TCP has an embedded RJ45 Ethernet port
- LM50-TCP can act as an Ethernet gateway for an RS485 system
- Communicates with Modbus RTU or Modbus TCP protocols
- Can be used as an alarm centralizer, pulse counter or status detector
- Complete Energy Management System with **Power Studio** (web based monitoring and control application)

LM24-M

LM50-TCP

PowerStudio

Complete Energy Management System *(web based monitoring and control application)*

Single or three-phase energy meters

Water/Gas meters or other pulse output instruments

RS-485 Wireless

LM24-M
24 inputs

Ethernet / RS-485 Wireless

LM50-TCP
50 inputs

Embedded RS-485 to Ethernet converter for add'l RS-485 networks

LM24-M and LM50-TCP

The LM24-M and the LM50-TCP are centralized pulse modules that are connected to a PC via an RS-485 or Ethernet connection and give you complete control over the quantity of energy, gas or water used from any source of pulses. They allow you to monitor usage from up to 50 different inputs.
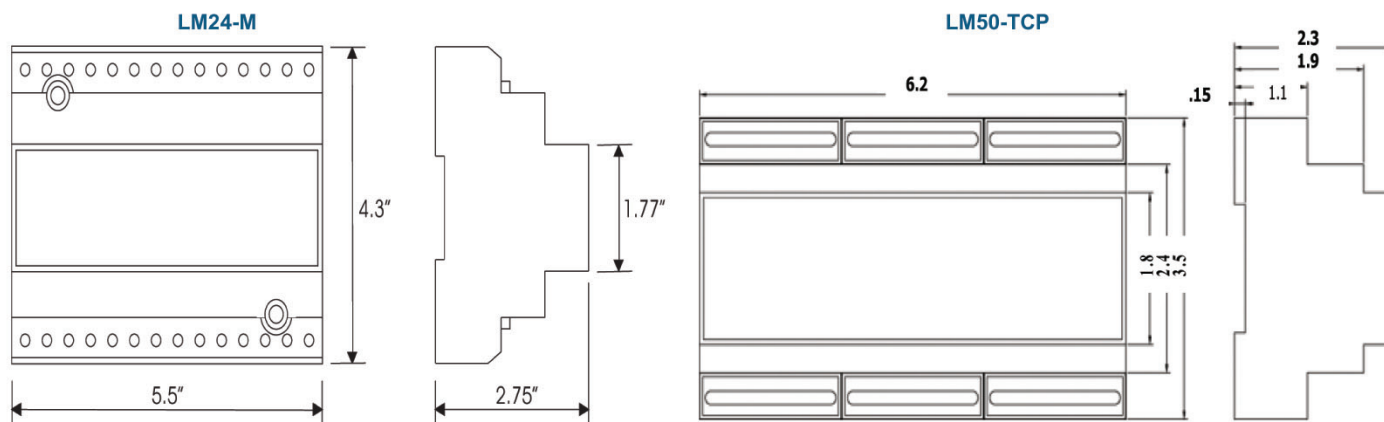
Single or three-phase energy meters

Water/Gas meters or other pulse output instruments

Call Toll Free: 1-877-PQ-SOLNS (1-877-777-6567) or 303-805-5252 email: info@measurlogic.com

MEASURLOGIC

www.measurlogic.com

LM24-M

4.3"

1.77"

5.5"

2.75"

LM50-TCP

6.2

2.3
1.9
.15
1.1

1.8
2.4
3.5

SPECIFICATIONS

	LM24-M	LM50-TCP
Power Supply Circuit		
Voltage of power supply	120 V a.c. ± 15%	85 - 240 V a.c.
Consumption	5 V A	6 V A
Frequency	50 ... 60 Hz	45 ... 65 Hz
Digital Inputs		
Number of inputs	24	50
Type of input	Opto-coupled voltage free (50 mA max)	
Maximum pulses per input	4 294 967 295 (FFFFFFFF Hex)	
Output		
Type of output	Modbus, RS-485 port	Modbus, Ethernet port
Type of connector	DB-9	RJ45
Environmental Conditions		
Operating temperature range	32° F - 122° F	
Assembly features		
Type of casing	DIN rail	
Dimensions	5.5" x 4.3" x 2.75"	6.2" x 3.5" x 2.3"
Terminal protection grade	IP 20	
Built-in relay protection grade	IP 41	
Isolation	3 kV - 1 min	4 kV - 1 min
Standards	IEC 6064, VDE 0110, UL 94, IEC 348, EN 50081-1, EN-61010-1, EN 50082-1	

AVAILABLE MODELS

LM24-M   Energy meter centralization unit,
            24 inputs (Modbus-RTU protocol)

LM50-TCP   Energy meter centralization unit,
            50 inputs (Modbus -TCP protocol)

Call Toll Free: 877-PQ-SOLNS (877-777-6567)
Fax (425) 799-4780
email: info@measurlogic.com

Distributor:

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