LI25 Series LOOP-POWERED METERS



- Linear, Square Root, or Programmable Exponent
- Non-Volatile Memory No Battery Needed

FLOW LINE

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INTRODUCTION

The LI25-2001 is an intrinsically safe and non-incendive loop-powered meter approved for hazardous area locations. The LI25-1001 is a general-purpose loop-powered meter for safe area applications. The four front panel buttons make the setup and programming an easy task. Five digits, bargraph, engineering units, and trend arrows provide a clear and attractive presentation of the process.

The square root and programmable exponent functions allow for conditioning of signals from non-linear transmitters without adding external components to the system and the convenience of scaling without a calibrated signal source make the LI25 Series the ideal choice for process display applications.

ORDERING INFORMATION

Model	Description
LI25-1001	Loop-Powered Panel Meter for Safe Area
LI25-2001	FM & CSA Approved Loop-Powered Panel Meter

Enclosures and Accessories

Model	# of Meters	Description	Mounting
LM91-1001	1	Plastic NEMA 4X Enclosure	Through Cover
LM91-2001	2	Plastic NEMA 4X Enclosure	Through Cover
LM92-1001	1	Plastic NEMA 4X Enclosure	Inside Cover
LM93-1001	2	Plastic NEMA 4X Enclosure	Inside Cover

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SPECIFICATIONS

Except where noted all specifications apply to operation at +25°C.

General

DISPLAY	Five digits0.60" (15.2 mm) high, 7-segment, automatic lead zero blanking.		
	Four characters (Engineering Units)	0.25" (6.4 mm) high, 14 segment.	
	Bargraph	20-segment, 0% to 100% indication.	
	Trend arrows	Up and down trend indication.	
	Backlight	Orange (intensity varies with signal)	
DISPLAY UPDATE RATE	2.5/second		
OVERRANGE	Display flashes 999	199	
UNDERRANGE	Display flashes -99	1999	
PROGRAMMING METHOD	Four front panel buttons		
NOISE FILTER	Programmable from 1 to 199		
RECALIBRATION	Recalibration is recommended at least every 12 months.		
MAX/MIN DISPLAY	Max/min readings reached by the process are stored until reset by the user or until power to the meter is turned off.		
PASSWORD	Programmable password restricts modification of programmed settings.		
NON-VOLATILE MEMORY	All programmed settings are stored in non-volatile memory for a minimum of ten years if power is lost.		
NORMAL MODE REJECTION	64 dB at 50/60 Hz		
ENVIRONMENTAL	Operating temperature range: -30 to 65°C (-40°C allowed)* Storage temperature range: -40 to 65°C Relative humidity: 0 to 90% non-condensing *Below -30°C, the LCD becomes less readable		
CONNECTIONS	Removable screw te	erminals accept 12 to 22 AWG wire	
ENCLOSURE & MATERIALS	1/8 DIN, high impact plastic, UL 94V-0, color: gray GE Plastics NORYL [®] N190X Polyphenylene Ether & Polystyrene blend (PPE PS) Resin GE Plastics LEXAN [®] HP92W Polycarbonate (PC) Film		

MOUNTING	1/8 DIN panel cutout required. Two panel mounting bracket assemblies provided
TIGHTENING TORQUE	Screw terminal connectors: 4.5 lb-in (0.5 Nm) Mounting screws: 8.0 lb-in max. (0.9 Nm)
OVERALL DIMENSIONS	4.68" x 2.45" x 3.79" (119 mm x 62 mm x 96 mm) (W x H x D)
WEIGHT	5.7 oz (162 g)
WARRANTY	See Warranty

Input

ACCURACY	±0.03% of span ±1 count, square root and programmable exponent: 10-100% FS		
FUNCTION	Linear, squ	uare root, or progr	ammable exponent
LOW-FLOW CUTOFF	-99999 to 99999 (-99999 disables cutoff function)		
TEMPERATURE DRIFT	50 PPM/°C from -40 to 65°C ambient		
DECIMAL POINT	Up to four decimal places: d.dddd, dd.ddd, ddd.dd, dddd.d,or ddddd		
CALIBRATION RANGE	An <i>Error</i> message will appear if input 1 and input 2 signals are too close together.		
	Input Range	Minimum Span Input 1 & Input 3	2
	4-20 mA	0.40 mA	
VOLTAGE DROP	Without B	acklight	With Backlight
	2.0 V maxi	imum	5.7 V maximum
EQUIVALENT RESISTANCE	100 Ω @ 2	20 mA	285 Ω @ 20 mA
INPUT OVERLOAD	Over current protection to 2 A max.		

LI25 SERIES COMPLIANCE INFORMATION Ratings and Approvals

FM	Class I, Div 1, 2, Groups ABCD Class II, Div 1, Groups EFG Class II, Div 2, Groups FG Class III, Div 1, 2 Class 1, Zone 0, Group IIC	
CSA	Class I, Div 1, 2, Groups ABCD Class II, Div 1, Groups EFG Class II, Div 2, Groups FG Class III, Div 1, 2 Class 1, Zone 0, Group IIC	

LI25-2001 installation must be performed in accordance with Control Drawing Q\$301034-1

SAFETY INFORMATION



Installation and service should be performed only by trained service personnel. Service requiring replacement of internal components must be performed at the factory.

INSTALLATION

There is no need to remove the meter from its case to complete the installation, wiring, and setup of the meter.

Unpacking

Remove the meter from box. Inspect the packaging and contents for damage. Report damages, if any, to the carrier. If any part is missing or the meter malfunctions, please contact your supplier or the factory for assistance.

Panel Mounting

- Prepare a standard 1/8 DIN panel cutout 3.622" x 1.772" (92 mm x 45 mm). Refer to *Mounting Dimensions*, page 33 for more details.
- Clearance: allow at least 4" (102 mm) behind the panel for wiring.
- Panel thickness: 0.04" 0.25" (1.0 mm 6.4 mm). Minimum steel/stainless steel panel thickness to maintain watertight rating: 0.06" (1.5 mm).

Note: A steel or stainless steel panel rather than plastic is recommended in cases where a watertight or dust-tight seal is required between the meter and the panel.

- Remove the two mounting brackets provided with the meter (back-off the two screws so that there is 1⁄4" (6.4 mm) or less through the bracket. Slide the bracket toward the front of the case and remove).
- Insert meter into the panel cutout.
- Install mounting brackets and tighten the screws against the panel. To achieve a proper seal, tighten the mounting bracket screws evenly until meter is snug to the panel along its short side. DO NOT OVER TIGHTEN, as the rear of the panel may be damaged.



Figure 1. Panel Cutout and Mounting

Connections

Signal connections are made to a four-terminal removable connector. This section is only intended for the LI25-1001.

LI25-2001 installation must be performed in accordance with Control Drawing QS301034-1 in order to meet agency approval ratings.

> Observe all safety regulations. Electrical wiring should be performed in accordance with all agency requirements and applicable national, state, and local codes to prevent damage to the meter and ensure personnel safety.



Figure 2. LI25 Series Rear View

4-20 mA Input Connections

Input connections are made to a four-terminal connector labeled S+|S-|B+|B-. The loop-powered backlight is an optional configuration and requires a total maximum voltage drop of 5.7 V. The backlight is recommended for dim lighting conditions and is enabled when wired as shown in Figure 3. It may be bypassed if installed in bright lighting conditions to reduce the maximum voltage drop to 2.0 V as shown in Figure 4.



Figure 3. Input Connections with Backlight



Figure 4. Input Connections without Backlight

SETUP AND PROGRAMMING

- There is **no need to recalibrate** the meter for milliamps when first received from the factory.
- The meter is *factory calibrated* for milliamps prior to shipment. The calibration equipment is certified to NIST standards.

Overview

There are no jumpers involved in the setup process of the meter. Setup and programming is done through the front panel buttons. After all connections have been completed and verified, apply power to the loop.

> For Quick User Interface Reference Guide go to page 37

Front Panel Buttons & Status Indicators



Button Symbol	Description
C	Menu
	Right arrow/Reset
	Up arrow/Max
Ĵ	Enter/Ack

Symbol	Status
0%	Bargraph minimum
100%	Bargraph maximum
	Increasing trend
•	Decreasing trend

- Press the Menu button to enter or exit the Programming Mode at any time.
- Press the **Right** arrow button to move to the next digit or decimal position during programming.
- Press the **Up** arrow button to scroll through the menus, decimal point, or to increment the value of a digit.
- Press the Enter/Ack button to access a menu or to accept a setting.
- Press and hold the **Menu** button for five seconds to access the *Advanced* features of the meter.

Main Menu Display Functions & Messages

The meter displays various functions and messages during setup, programming, and operation. The following table shows the main menu functions and messages in the order they appear in the menu.

Display	Parameter	Action/Setting
SELuP	Setup	Enter Setup menu
dEC.PE	Decimal point	Set decimal point
un 185	Units	Enter the Units menu
Proũ	Program	Enter the Program menu
SERLE	Scale	Enter the Scale menu
[RL	Calibrate	Enter the Calibrate menu
inPt (Input 1	Calibrate input 1 signal or program input 1 value
dSPL I	Display 1	Program display 1 value
inPE2	Input 2	Calibrate input 2 signal or program input 2 value
dSPL2	Display 2	Program display 2 value
Error	Error	Error, calibration not successful, check signal
GrRPh	Graph	Enter the Graph menu
PRSS	Password	Enter the Password menu
unLoc	Unlocked	Program password to lock meter
Locd	Locked	Enter password to unlock meter
99999 - 99999	Flashing display	Overrange condition Underrange condition

Main Menu

The main menu consists of the most commonly used functions: *Setup*, *Program*, and *Password*.

• Press **Menu** button to enter Programming Mode then press **Up** arrow button to scroll main menu.



- Press **Menu**, at any time, to exit and return to Run Mode. Changes made to settings prior to pressing **Enter/Ack** are not saved.
- Changes to the settings are saved to memory only after pressing Enter/Ack.
- The display moves to the next menu every time a setting is accepted by pressing Enter/Ack.

Setting Numeric Values

The numeric values are set using the **Right** and **Up** arrow buttons. Press **Right** arrow to select next digit and **Up** arrow to increment digit. The digit being changed blinks.

Press the **Enter/Ack** button, at any time, to accept a setting or **Menu** button to exit without saving changes.



The decimal point is set using the **Right** or **Up** arrow button in the *Setup-decimal point* menu.

Setting Up the Meter (5ELuP)

The Setup menu is used to select:

- 1. Decimal point position
- 2. Engineering units display

Press the **Enter/Ack** button to access any menu or press **Up** arrow button to scroll through choices. Press the **Menu** button to exit at any time.



Setting the Decimal Point (dELPL)

Decimal point may be set with up to four decimal places or with no decimal point at all.

Pressing the **Right** or **Up** arrow moves the decimal point one place to the right until no decimal point is displayed, then it moves to the left most position.



Setting the Units Display (س الحجام الح

The meter can be set to display a combination of three alphanumeric characters for engineering units or for identification (eg. P5I, 5/5, LPN, TK3, L7). There is also a fourth alphanumeric character located above this row, which supports a degrees symbol and "**x10**" symbol (eg. °C, °F, x103, x105, x105).

Press **Right** arrow to select next unit and **Up** arrow to increment unit. The unit being changed blinks.

Press the **Enter/Ack** button, at any time, to accept a setting or **Menu** button to exit without saving changes.



Programming the Meter (ProΔ)

It is **very important** to read the following information, before proceeding to program the meter:

- There is **no need to recalibrate** the meter for milliamps when first received from the factory.
- The meter is *factory calibrated* for milliamps prior to shipment. The calibration equipment is certified to NIST standards.
- Use the Scale menu to enter scale parameters without applying a live signal.
- Alternatively, use the *Calibrate* menu to apply a signal from a calibrator or a 4-20 mA transmitter to calibrate the meter.

The Program menu contains the Calibrate and the Scale menus.

Inputs may be calibrated or scaled to any display within the range of the meter.



Additional parameters, not needed for most applications, are programmed with the *Advanced* features menu, see Advanced Features Menu, page 25.

Error Message (Error)

An error message indicates that the calibration or scaling process was not successful.

After the error message is displayed, the meter reverts to input 1, allowing the appropriate input signals to be applied.

The error message might be caused by one of the following conditions:

- 1. Minimum input span requirements not maintained.
- 2. Input 1 signal inadvertently applied to calibrate input 2.

Minimum Input Span

The minimum input span is the minimum difference between input 1 and input 2 signals required to complete the calibration or scaling of the meter. The minimum span is 0.40 mA.

Scaling the Meter (5ERLE)

The 4-20 mA input can be scaled to display the process in engineering units.

A signal source is not needed to scale the meter; simply program the inputs and corresponding display values.



Calibrating the Meter (ERL)

To scale the meter without a signal source refer to Scaling the Meter (sCalE), page 20.

The meter can be calibrated to display the process in engineering units by applying the appropriate input signal and following the calibration procedure.

The use of a calibrated signal source is strongly recommended.



- 1. Press the **Up** arrow button to scroll to the *Calibration* menu (*LRL*) and press **Enter/Ack**.
- The meter displays on Pt I. Apply a known signal and press Enter/Ack. Trend arrows are displayed while accepting the signal.
- After the signal is accepted, the meter displays d5PL I. Press Enter/Ack, enter a corresponding display value for the signal input, and press Enter/Ack to accept.
- The meter displays on Pt 1. Apply a known signal and press Enter/Ack. Trend arrows are displayed while accepting the signal.
- After the signal is accepted, the meter displays d5PL2. Press Enter/Ack, enter a corresponding display value for the signal input, and press Enter/Ack to accept.

Recalibrating the Internal Calibration Reference (ICRL)

The Internal Calibration (ICRL) menu, located in the Advanced features menu, is used to recalibrate the internal calibration reference. Recalibration is recommended at least every twelve months. Refer to Internal Calibration (ICal), page 29 for instructions.

Setting Up the Bargraph (Gr RPH)

The meter can be set to display a bargraph proportional to the percentage process reading within a user-defined span.

The span is determined by values entered for 0% and 100%. If the 0% and 100% values are the same as the values that were entered for display 1 and display 2, respectively, from the scale or calibrate steps, then it is not necessary to modify them.

The bargraph may be disabled by selecting *OFF* from the bargraph menu.





Press Right to Select Next Digit

Setting Up the Password (PR55)

The *Password* menu is used to program a five-digit password to prevent unauthorized changes to the programmed parameter settings.

Locking the Meter

Enter the *Password* menu and program a five-digit password.

For instructions on how to program numeric values see *Setting Numeric Values*, page 16.



Record the password for future reference. If appropriate, it may be recorded in the space provided.

Model:	
Serial Number:	
Password:	

Unlocking the Meter

If the meter is password protected, the correct password must be entered in order to make changes to the parameter settings.



Entering the correct five-digit number sets the password to 00000, disabling the protection. The meter remains unlocked until a new password is programmed or the former password is re-programmed using the *Password* menu.

Changes to the programmed parameter settings are allowed only with the password set to 00000.

If the password entered is incorrect, the meter displays Locd (Locked) for about three seconds, then it returns to Run Mode. To try again, press **Enter/Ack** while the *Locked* message is displayed.



The password may be disabled by the following procedure:

- 1. Note display reading prior to pressing the Menu button. Ignore decimal point and sign.
- Access the *Password* menu, add 2 to the noted reading and enter that number as the password (e.g. display reading = -1.23, password = 00125).

Advanced Features Menu

To simplify the setup process, functions not needed for most applications are located in the *Advanced* features menu.

Press and hold the **Menu** button for five **seconds** to access the Advanced features of the meter.



Advanced Features Menu & Display Messages

The following table shows the *Advanced* features menu functions and messages in the order they appear in the menu.

Display	Parameter	Action/Setting
Funct	Function	Enter Function menu
LnERr	Linear	Set linear scaling
59uRr	Square Root	Set square root extraction
РгобЕ	Programmable Exponent	Set programmable exponent
cutoF	Low-Flow Cutoff	Set low-flow cutoff
contr	Contrast	Enter contrast adjustment menu
FLEEr	Filter	Set noise filter value
ьуряs	Bypass	Set filter bypass value
trEnd	Trend Arrows	Enable or disable trend arrows
-00-	On	Enable trend arrow display
-0FF-	Off	Disable trend arrow display
IERL	Initial calibration	Enter initial calibration for process inputs
InFo	Meter information	Show software number and version, or reset to defaults
rESEE	Reset Defaults	Restore factory default parameter settings

For instructions on how to program numeric values see *Setting Numeric Values*, page 16.

Math Functions (LnEAr, 59uAr, ProLE, Lutof)

The LI25 SERIES provides a number of math functions to condition outputs from linear and non-linear transmitters.



Linear (LnERr)

Meters are set up at the factory for linear function. The linear function provides a display that is linear with respect to the input signal.

Square Root (59uAr)

The square root function is used to linearize the signal from a differential pressure transmitter and display flow rate in engineering units.

Programmable Exponent (ProLE)

The programmable exponent function is used to linearize the level signal in applications using weirs and flumes and display flow rate in engineering units. Upon selecting programmable exponent ($Pro \Delta \mathcal{L} \mathcal{E}$), the meter prompts entry of a 5-digit value between 0.5000 and 3.0000 as the exponent.

Low-Flow Cutoff ([utoF)

The low-flow cutoff feature allows the meter to be programmed so that the often-unsteady output from a differential pressure transmitter, at low flow rates, always displays zero on the meter. The cutoff value may be programmed from -99999 to 99999. Below the cutoff value, the meter will display zero. Selecting either square root or programmable exponent will set the cutoff value to 0. Program the cutoff value to - 99999 to disable.

Contrast (contr)

LCD contrast is adjustable through the front panel buttons. Select contrast and increase level using Up Arrow/Max button. Settings 1 through 9 will be displayed on the screen as 11111 to 99999. Settings 1 through 4 are usually best when viewing from below the angle perpendicular to the display. Settings 5 through 9 are usually best when viewing straight on (meter is at eye level) or when viewing from above.

Noise Filter (FLEEr)

Most applications do not require changing this parameter. It is intended to help attain a steady display with an unsteady (noisy) input signal.

The field selectable noise filter averages any minor or quick changes in the input signal and displays the reading with greater stability.

Increasing the filter value will help stabilize the display, however this will reduce the display response to changes on the input signal.

The filter level may be set anywhere from 1 to 199.

Noise Filter Bypass (byPR5)

The meter can be programmed to filter small input changes, but allow larger input changes to be displayed immediately, by setting the bypass value accordingly.

If the input signal goes beyond the bypass value, it will be displayed immediately with no averaging done on it.

The noise filter bypass value may be set anywhere from 0.2 to 99.9. It corresponds to percentage of full scale.

Increasing the bypass value may slow down the display response to changes on the input signal.

Pressing the **Right Arrow/Reset** button will also bypass the filter and provide an instant update.

Internal Calibration (ICRL)

- There is no need to recalibrate the meter for milliamps when first received from the factory.
- The meter is *factory calibrated* for milliamps prior to shipment. The calibration equipment is certified to NIST standards.

The internal calibration allows the user to scale the meter without applying a signal. The use of a calibrated signal source is necessary to perform the internal calibration of the meter. Check calibration of the meter at least every 12 months.

Notes:

- The signal source must have a full-scale accuracy of 0.01% or better between 4 and 20 mA in order to maintain the specified accuracy of the LI25 Series.
 - Allow the meter to warm up for at least 15 minutes before performing the internal calibration procedure.

The Internal calibration menu is part of the Advanced features menu.

- 1. Press and hold the **Menu** button for five **seconds** to access the Advanced features of the meter.
- 2. Press the **Up** arrow button to scroll to the *Internal calibration* menu (*ICRL*) and press **Enter/Ack**.
- 3. The meter displays 4000 mR. Apply a 4.000 mA signal and press **Enter/Ack**. The display shows both trend arrows for a moment while the meter is accepting the signal.
- After the signal is accepted, the meter displays 8.000 mR. Apply an 8.000 mA signal and press Enter/Ack. The display shows both trend arrows for a moment while the meter is accepting the signal.
- 5. Continue, as in the previous step, for the remaining signals: 12.000 mA, 16.000 mA, and 20.000 mA.

Error Message (Error)

An error message indicates that the calibration or scaling process was not successful. After the error message is displayed, the meter reverts to the previous signal prompt, allowing the appropriate input signal to be applied. The error message might be caused by inadvertently leaving the signal at the previous level.

LI25 Series Loop-Powered Meters Information Menu (امجم)

The *Information* menu is located in the *Advanced* features menu, to access *Information* menu see Advanced Features Menu, page 25. It shows software and version number. To determine the software version of a meter:

- 1. Go to the *Information* menu (InFa) and press **Enter/Ack** button. The number shown is the software number.
- 2. Press Enter/Ack again to display the release version.

OPERATION

Front Panel Buttons Operation

Button Symbol	Description
C	Press to enter or exit Programming Mode, view settings, or exit Max/Min readings
	Press to reset Max/Min readings Press to manually bypass filtering
	Press to display Max/Min readings alternately
	Press to display Max/Min reading indefinitely while displaying Max/Min Press ACK to acknowledge trend arrows

Maximum & Minimum Readings (MAX & M IN)

The maximum and minimum (peak & valley) readings reached by the process are stored in the meter since the last reset or power-up. The meter shows \square IN or \square AX to differentiate between run mode and max/min display.



- 1. Press **Up** arrow/**Max** button to display maximum reading since the last reset/power-up.
- 2. Press **Up** arrow/**Max** again to display the minimum reading since the last reset/power-up.
- 3. Press **Enter/Ack** to hold Max/Min display reading, the meter will continue to track new Max/Min readings.
- 4. If **Enter/Ack** is not pressed, the Max/Min display reading will time out after ten seconds and the meter will return to display the actual reading.
- Press Right arrow/Reset button to reset Max/Min while reading is being displayed. Max/Min display readings are reset to actual reading.

MOUNTING DIMENSIONS



Figure 5. Meter Dimensions – Side View



Figure 6. Case Dimensions – Top View

Reset Meter to Factory Defaults

When the parameters have been changed in a way that is difficult to determine what's happening, it might be better to start the setup process from the factory defaults.

Instructions to load factory defaults:

- 1. Enter the *Advanced* features menu. See Advanced Features Menu, page 25.
- 2. Press **Up** arrow until InFo is shown.
- Press and hold Right arrow/Reset for five seconds, press Enter/Ack when display flashes rE5EL.
 Note: If Enter/Ack is not pressed within three seconds, display returns to *Information* menu.
- 4. The meter goes through an initialization sequence (same as on power-up), and loads the factory default settings.



Factory Defaults & User Settings

The following table shows the factory setting for most of the programmable parameters on the meter. Next to the factory setting, the user may record the new setting for the particular application.

Model:	S/N:	Date:	
Parameter	Display	Default Setting	User Setting
Programming	Proũ	Scale	
Input 1	inPt 1	4.000 mA	
Display 1	dSPL I	4.000	
Input 2	inPE2	20.00 mA	
Display 2	d5PL2	20.000	
Decimal point	dd.ddd	3 places	
Bargraph	Gr RPH	On (enabled)	
Bargraph 0%	D PET	4.000	
Bargraph 100%	100 PCT	20.000	
Password	PRSS	00000 (unlocked)	
Advanced Features			
Function	Funct	Linear	
Contrast	contr	5 (55555)	
Cutoff	EutoF	-99999 (disabled)	
Filter	FLEEr	1	
Bypass	byprs	0.2	
Trend Arrows	ErEnd	On (enabled)	

TROUBLESHOOTING

The rugged design and the user-friendly interface of the meter should make it unusual for the installer or operator to refer to this section of the manual.

If the meter is not working as expected, refer to the recommendations below.

Troubleshooting Tips

Symptom	Check/Action
No display or faint display	 Check connections. Increase contrast setting in Advanced menu. Perform hard reset by temporarily shorting S+ and S- terminals for a few seconds.
Rate display unsteady	Increase filter setting in Advanced menu.
Not able to change setup or programming, Locd is displayed	Meter is locked, enter correct five-digit password to unlock.
Meter displays error message during calibration (Error)	Check: 1. Signal connections 2. Minimum input span requirements
Meter displays 99999 -99999 	 Check: Input signal within range. When using square root or programmable exponent, cutoff must be zero or greater.
Display stuck showing a number and ጠዋኦ or ጠIN	Press Menu to exit Max/Min display readings.
Display response is too slow	Check filter and bypass values to see if they can be lowered.
If the display locks up or the meter does not respond at all	Perform hard reset by temporarily shorting S+ and S- terminals for a few seconds and then removing short.
Display shows blurry, hard-to-read digits in below freezing temperatures (less than -18°C or 0°F).	Increase the filter setting to 10 or greater and the bypass setting to 50 or greater. This will slow the display response rate, but digits will be steady and appear more clearly.
Other symptoms not described above	Call Technical Support for assistance.

QUICK USER INTERFACE REFERENCE GUIDE



LI25 Series Loop-Powered Meters



*Access by holding Right/Reset for 3 seconds

LI25 Series	Loop-Powered	Meters
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NOTES

How to Contact Flowline

- For Technical Support please Call: (562) 598-3015
 Fax: (562) 431-8507
 Email: levelsolutions@flowline.com
- For Sales Support or to place an order please contact your local distributor or Call: (562) 598-3015
 Fax: (562) 431-8507
 Email: us.sales@flowline.com

Int.sales@flowline.com

For the latest version of this manual please visit
 www.flowline.com

