

Note: Do not use the product if it is damaged. Contact Schneider Electric customer care representative for support.

| Commercial Reference | $\begin{aligned} & \text { CL } 1.0 \\ & \text { RS-485 } \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { CL 0.5 } \\ \text { RS-485 } \end{array}$ | $\begin{aligned} & \hline \text { CL } 0.2 \\ & \text { RS-485 } \end{aligned}$ | UL | CE | Control Power | $\begin{aligned} & \text { 1* } \\ & \text { AC: } 48-277 \mathrm{~V} \text { L-N } \pm 10 \% \\ & \text { DC: } 48-277 \mathrm{~V} \pm 10 \% \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| METSEPM1125HCL10RS | $\checkmark$ | - | - | $\checkmark$ | $\checkmark$ | 1* |  |
| METSEPM1125HCL10RD | $\checkmark$ | - | - | $\checkmark$ | $\checkmark$ | 1* |  |
| METSEPM1125HCL05RD | - | $\checkmark$ | - | $\checkmark$ | $\checkmark$ | 1* |  |
| METSEPM1125HCL02RD | - | - | $\checkmark$ | $\checkmark$ | $\checkmark$ | 1* |  |
| METSEPM1125HCL1LVD | $\checkmark$ | - | - | $\checkmark$ | $\checkmark$ | 2* |  |
| METSEPM1125HCL5LDD | - | $\checkmark$ | - | $\checkmark$ | $\checkmark$ | 2* | 0\% |

Safety Precautions

## 4 ! DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E in the USA or applicable local standards.

Turn off all power to this device before working on it.

- Always use a properly rated voltage sensing device to confirm that all power is off.

Do not exceed the device's ratings for maximum limits.
Do not use this device for critical control or protection applications where human or equipment safety relies on the operation of the control circuit.

- Always use grounded external CTs for current inputs.

Failure to follow these instructions will result in death or serious injury.


## Mounting

mm
(in)



## 6 Wiring



* The meter display allows configuration of 5 power system types, additional 8 can be configured through ION setup.



Basic setup menus


1. Navigate to Maintain (Maintenance) through home page using the Up or Down keys. Press OK.
2. Navigate to Set (Setup) using the Up or Down keys. Press OK.
3. Enter the password (the default password is 0000). Press OK.
4. Press the Up or Down key to navigate to the required parameter.
5. Press OK to select the parameter.
6. Use the Up or Down key to change the settings. Press OK.
7. Press the Left key.
8. Press OK to save your settings.

8.1 Example: Changing VT parameter (3P4L to 3VT)


Basic setup menus
8．2 Page lock／unlock

－Page lock sets the current page as the default page． You cannot enter the Setup page or Clear page when a meter page is locked

8．3 Diagnostics page


## 8．4 Setup parameter

| $\begin{aligned} & L 4 P E \\ & \exists P .4 L \end{aligned}$ | TYPE：Power System Configurations；［1P．Ln，1P．LL，1P．3L，3P．3L， 3P．4L］Default：3P．4L <br> Note：Other power system configurations can be set through ION setup． | $\begin{array}{ll} \square \square \\ L . \square \end{array}$ | PD：Power demand；［t．sb，t．b，t．rb］ Default：t．b |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { HE } \\ & \text { Пロ.LE } \end{aligned}$ | VT：Voltage Transformer；［no．Vt，2．VT，3．VT，1．VT］Default：no．Vt Note：The VT Connect parameters are enabled based on selected power system configuration． | $P \square \cdot L \frac{4}{5}$ | PD．CY：Demand period；［1 to 60 min ］ Default： 15 |
| $\begin{array}{r} 4 E . P R \\ 415 \\ \hline \end{array}$ | VT．PR Primary Voltage（V L－L）；［0100 V to 999000 V］； <br> Default： $\mathbf{4 1 5}$ <br> Note：VT．PR will not be enabled if VT Connect is no．VT． | Pロ.ut | PD．VT：Demand update time；［1 to 60 min ］ Default： 15 |
| $\begin{array}{r} 4 E .5 E \\ 4.5 \end{array}$ | VTSE：Secondary Voltage（V L－L）；［100，110，115，120，415］ Default： 415 <br> Note：VT．SE will not be enabled if VT Connect is no．VT． | $\begin{aligned} & P d . P \\ & L A \end{aligned}$ | PD．P：Demand parameter；［VA，W，VAR］ Default：VA |
| $\begin{aligned} & L E \\ & H .1 \Sigma \exists \end{aligned}$ | CT：Current Transformer；［A．1，A．2，A．3，A．12，A．23，A．31，A．123］ Default：A． 123 <br> Note：The CT terminal parameters are enabled based on the selected power system and VT connect configuration． | $\begin{aligned} & L E \square \\ & \square F \end{aligned}$ | LED：［Off，Intg］ Default：Off |
| $\begin{array}{r} \text { LE.PR } \\ 5 \end{array}$ | CT．PR：CT Primary；［1 A to 32760 A］ <br> Default： 5 <br> Note：CT Primary can be set to 32767 A through ION setup． | $\begin{aligned} & \angle . P L 5 \\ & \square \square \square 1 \end{aligned}$ | L．PLS：Pulses per energy；［1 to 9999000］ Default： 1 |
| LE.马E | CT．SE：CT Secondary；［1A， 5 A］ Default： 5 | $[\square \pi \pi$ <br> $\square 7$ | COMM：Communication；［ON，OFF，RTFT］Default：ON ON／OFF：To enable／disable communications port． <br> RTFT：For configuring legacy communication data models． Note：Id，baud rate，and parity cannot be viewed if comm is off． |
| $\begin{array}{r} F R E \square \\ 5 \square \end{array}$ | FREQ：System Frequency；［ $50 \mathrm{~Hz}, 60 \mathrm{~Hz}$ ］ Default： 50 | $\begin{aligned} & 1 \square \\ & \square \square \square 1 \end{aligned}$ | ID：Unit Id；［1 to 247］ Default： 1 |
| $\begin{gathered} \text { A. } 5 ч \square \\ \square \square 5 \\ \hline \end{gathered}$ | A．SUP：A．Suppression（Minimum current at which meter starts functioning）；［1 to 99 mA ］ <br> Default： 5 | $\begin{array}{r} 1 A_{u} d \\ 19.2 \square \end{array}$ | BAUD：BPS（Bits per second）；［4800，9600，19200，38400］ Default： 19200 |
| $\begin{gathered} \angle A B L \\ 12 \exists \\ \hline \end{gathered}$ | LABL：Phase labeling；［123，Abc，rst，pqr，ryb］ Default： 123 | $\begin{aligned} & \text { РRE } \\ & \text { EUEח } \end{aligned}$ | PRTY：Parity；［Even，Odd，None］ Default：Even |
| $\begin{array}{r} F \square \square \square \\ 1 \square \square \end{array}$ | FS\％：Full scale value（Rescaling analog load bar with respect to CT loading）；［1 to 100］ Default： 100 | $\begin{aligned} & \text { PR55 } \\ & 7 \square \square \square \end{aligned}$ | PASS：Password；Configurable from 0000 to 9999 Default： $\mathbf{0 0 0 0}$ <br> Record your password in a secure location． |
| $\begin{aligned} & \text { PGEL } \\ & H j \end{aligned}$ | P．SEL：Power parameter selection for energy pulse LED output；［VA，W，VAR］ <br> Default：W | $\square \square L E$ | POLE：To determine RPM of alternator／generator based on number of poles and network frequency； $[2,4,6,8,10,12,14,16]$ <br> Default： 4 |



10Specifications

## Control power

(METSEPM1125HCL10RS /
METSEPM1125HCL10RD /
METSEPM1125HCLO5RD /
METSEPM1125HCLO2RD)

- AC: $48-277 \mathrm{~V} \mathrm{L-N} \pm 10 \%$
- Frequency: $50 / 60 \mathrm{~Hz} \pm 5 \mathrm{~Hz}$
- AC burden: < 4 VA at 240 V L-N, 50 Hz
- DC: $48-277 \mathrm{~V} \pm 10 \%$
- DC burden: < 2 W at 240 V DC
- Installation category III


## (METSEPM1125HCL1LVD

METSEPM1125HCL5LDD)
-DC: $10-32 \mathrm{~V} \pm 10 \%$

- DC burden: < 2 W at 24 V DC
- Installation category III


## Voltage inputs

- Measured voltage: 20 to 277 V L-N /

35 to 480 V L-L

- Frequency: 50 / $60 \mathrm{~Hz} \pm 2 \mathrm{~Hz}$
- Permanent overload: 750 V L-L continuous
- Impedance: $5 \mathrm{M} \Omega$
- Burden: $\leq 0.2$ VA @ 240 V L-N, 50 Hz
- Measurement category III, 480 V L-L


## Current inputs

- 1 A or 5 A nominal
- Measured current: Current range
( 5 A nominal): 50 mA to 6 A , Current range
( 1 A nominal): 10 mA to 1.2 A
- Withstand: 10 A continuous
- Impedance: $0.3 \mathrm{~m} \Omega$
- Burden: $\leq 0.1 \mathrm{VA} \max @ 5 \mathrm{~A}, 50 \mathrm{~Hz}$
- Suppression current: 5 mA to 99 mA


## Notices

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it.
Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequenes arising out of the use of this material. A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

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- This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations.
- If this product is used in a manner not specified by the manufacturer, the protection provided by the product may be impaired.
- The safety of any system incorporating this product is the responsibility of the assembler/installer of the system.

As standards, specifications and designs change from time to time, always ask for confirmation of the information given in this publication.

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## Environment

- Operating temperature: -10 to $60^{\circ} \mathrm{C}$
( 14 to $140{ }^{\circ} \mathrm{F}$ )
- Humidity: $5 \%$ to $95 \%$ RH non-condensing
at $37^{\circ} \mathrm{C}\left(98.6^{\circ} \mathrm{F}\right)$
- Pollution degree 2
- Altitude: $\leq 2000$ meters ( 6562 ft )
- Front IP51 (IP54 w/ gasket),

Rear IP30 - as per IEC 60529

- Not suitable for wet locations
- For indoor use only

