ME435 Poly-phase Handheld Power Meter



Connectivity advantages		
Model	ME435	
	3pcs BNC terminal 333mV CT	
Support Extra sensor	3pcs BNC terminal 320mV current clamp	
	3pcs BNC terminal Rogowski coil	
Otomore	4GB SD card(Max 4GB)	
Storage	(save intervals 1mins default)	
Device	4*AA battery(wroking time: approx 7 hours)	
Power	Or USB Type-C	

Feature

Specification		
Model	ME435	
Product component type	Handheld poly-phase power meter	
Poles description	3PH4W 3PH3W 1PH2W (L-N); 1PH2W(L-L);1PH3W(L-L-N)	
Device application	Power analysis Energy meter	
Input type	External Rogowski coil External CT(333mV only)	
Display	3.5 inch TFT screen display	
Sampling rate	8k samples per second	
Harmonic	52th Max	
Mechanical characteristics		
Weight	350g	
Dimension	L*W*D:21.5*10*3.5CM	

Power Meter Characteristics

The power meter measures currents and voltages and reports real-time RMS values for all 3-phases and neutral. In addition, the power meter calculates power factor, realpower, reactive power, and more.

The following sections list the metering characteristics of the power meter.

Real-Time Measuring

The following table lists the metering characteristics of the power meter for the real-time

measurement:

Characteristics	Description
Current	Per phase, neutral, and average of 3 phases
Voltage	L-L, L-N, and average of 3 phases
Frequency	4565 Hz
Active power	Total and per phase (signed)
Reactive power	Total and per phase (signed)
Apparent power	Total and per phase(signed)
Derver forsten (True)	Total and per phase
Power factor (True)	0.000 to 1 (signed)
Angle	Voltage angle,Current angle
Current unbalance	Per phase, most unbalanced of 3 phases
Voltage unbalance	most unbalanced of 3 phases

Minimum/Maximum Values

When any one-second real-time reading reaches its highest or lowest value, the power meter saves the minimum and maximum values in its nonvolatile memory.

From the power meter display, you can:

• view all min./max. values since the last reset and the reset date and time.

• reset min./max. values.

All running min./max. values are arithmetic minimum and maximum values. For example, the minimum phase A-N voltage is the lowest value in the range from 0 to 999.9GV that has occurred since last reset of the min./max. values.

The power meter provides time stamping for all minimum/maximum values.

The following table lists the minimum and maximum values stored in the power meter:

Characteristics	Description
Current	Per phase and average
Voltage	per phase and average
Active power	Per phase and total
Reactive power	Per phase and total
Apparent power	Per phase and total

Demand Readings

The power meter provides the following demand readings.

Characteristics	Description
Current	Per phase and average
Active, reactive, apparent power	Per phase and Total
Peak Demand Values	
Current	Per phase and average
Active, reactive, apparent power	Per phase and Total

Demand Calculation Methods

Power demand is the energy accumulated during a specified period divided by the length of the period. Current demand is calculated using arithmetical integration of the current RMS values during a time period, divided by the length of the period. How the power meter performs this calculation depends on the selected method. To be compatible with electric utility billing practices, the power meter provides block interval power/current demand calculations.

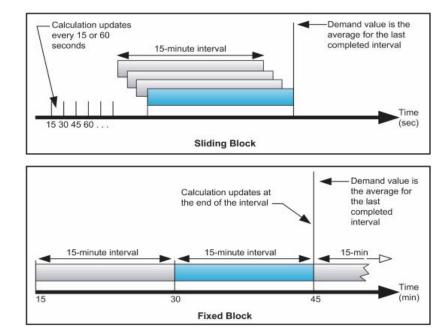
For block interval demand calculations, you select a block of time (interval) that the power meter uses for the demand calculation and the mode the meter uses to handle he interval. 2 different modes are possible:

• Fixed block - Select an interval from 1 to 60 minutes (in 1 minute increments). The

power meter calculates and updates the demand at the end of each interval.

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• Sliding block - Select an interval from 1 to 60 minutes (in 1 minute increments). For demand intervals less than 15 minutes, the value is updated every 15 seconds. For demand intervals of 15 minutes and greater, the demand value is updated every 60 seconds. The power meter displays the demand value for the last completed interval.



The following figures illustrate the 2 ways to calculate demand power using the block method. For illustration purposes, the interval is set to 15 minutes.

Peak Demand

In nonvolatile memory, the power meter maintains a maximum operating demand value called peak demand. The peak is the highest value (absolute value) for each of these readings since the last reset.

You can reset peak demand values from the power meter display. You should reset peak demand after changes to basic power meter setup such as power system configuration.

Energy Readings

The power meter calculates and stores Per phase and total energy values for active, reactive, and apparent energy.

You can view energy values from the display. The resolution of the energy value automatically changes from kWh to MWh to GWh (kVAh to MVARh to GWh).

The energy values automatically resets to 0 when it reaches the limit of 999.9GWh,999.9GVAh, or 999.9GVARh. The following table lists the energy readings from the power meter:

Characteristics Description		
Energy values		
Active approxy	0 to 999.9GWh	
Active energy	Auto reset to 0 in case of over limit	
Departive anarry	0 to 999.9GVARh	
Reactive energy	Auto reset to 0 in case of over limit	
Apparent anarry	0 to 999.9GVAh	
Apparent energy	Auto reset to 0 in case of over limit	

Power Quality Analysis Values

The power quality analysis values use the following abbreviations:

- Fundamental phase current rms: I1
- Fundamental phase voltage rms: V1
- RMS of up to three harmonics of phase current:
- lx, ly, lz, x, y, z = 2, 3,..., N
- RMS of up to three harmonics of phase voltage:
- Vx, Vy, Vz, x, y, z = 2, 3,..., N
- •Total harmonic distortion of the phase current

$$(THD)_I = \frac{\sqrt{I^2 - I_1^2}}{I_1}$$

• Total harmonic distortion of the phase voltage

$$(THD)_{V} = \frac{\sqrt{V^{2} - V_{1}^{2}}}{V_{1}}$$

 Harmonic distortion of up to three harmonics on the phase current

$$HD_{I_x} = \frac{I_x}{I_1}, x = 2, 3, ..., N$$
$$HD_{I_y} = \frac{I_y}{I_1}, y = 2, 3, ..., N$$
$$HD_{I_z} = \frac{I_z}{I_1}, z = 2, 3, ..., N$$

• Harmonic distortion of up to three harmonics on the phase voltage:

$$HD_{V_x} = \frac{V_x}{V_1}, x = 2, 3, ..., N$$
$$HD_{V_y} = \frac{V_y}{V_1}, y = 2, 3, ..., N$$
$$HD_{V_z} = \frac{V_z}{V_1}, z = 2, 3, ..., N$$

THD provides a measure of the total distortion present in a waveform. THD is the ratio of harmonic content to the fundamental and provides a general indication of the quality of a waveform. THD is calculated for both voltage and current.

The following table lists the power quality values of the power meter:

Characteristics	Description
	X,Y,Z,A,B(5 times each time) Per phase current,total (percent and rms
THD	value)
טחו	X,Y,Z,A,B(5 times each time)Per phase voltage,total (percent and rms
	value)

Data Record

The power meter records data to SD card, the following table lists data record of the power meter.

Record		
Record interval	1s to 9999s (default 1min)	
Record format	CSV	
	Micro SD card 4GB (default)	
Record capacity	Store about 1K Bytes data each time	
	record 8 years (1min & 4GB)	
	Date&time,	
	Voltage(V),UTHD(%),Current(A),ITHD (%),	
	ITHD3(%),ITHD5(%), ITHD7(%), ITHD11(%), ITHD13(%),	
	ITHD3(A), ITHD5(A), ITHD7(A), ITHD11(A), ITHD13(A)	
	Frequency(Hz), PF(power factor),	
	Active Power(W),Reactive Power(Var),Apparent Power(Va),	
Record data	Active Energy(Wh),Reactive Energy(Varh),Apparent Energy(Vah)	
	Current Demand(A),Current Peak Demand(A)&Date	
	Total Active Power Deamnd(W)	
	Total Active Power Peak Deamnd(W)&Date	
	Total Reactive Power Deamnd(W)	
	Total Reactive Power Peak Deamnd(W)&Date	
	Total Apparent Power Deamnd(W)	
	Total Apparent Power Peak Deamnd(W)&Date	

Other Characteristics

The following table lists other characteristics of the power meter:

Characteristics		Description
Reset		
Minimum and maximum values		_
Peak demand values		—
Current demand calculation method		1 to 60 minutes
Power demand calculation method		1 to 60 minut
Environmental conditions		
Operating temperature	-25℃ to +55℃	
Storage temperature	-40℃ to +85℃	
Humidity rating	5 to 95% RH at 50 $^\circ \!$	non-condensing)
Pullution degree	2	
Overvoltage category	III, for distribution syste	ems up to 277/480VAC
Dielectric withstand	As per IEC61010-1, D	oubled insulated front panel display
Altitude	Altitude 3000m Max	
IP degree of protection	degree of protection IP20 conforming to IEC	
Colour	White	
Contractual warranty	tual warranty 12months	
EMC		
Electrostatic discharge	Level IV(IEC61000-4-2)	
Immunity to radiated fields	Level III (IEC61000-4-3)	
Immunity to fast transients	Level IV (IEC61000-4-4)	
Immunity to surge	Level IV (IEC61000-4-5)	
Conducted immunity	Level III (IEC61000-4-6)	
Immunity to power frequency magnetic fields	gnetic fields 0.5mT (IEC61000-4-8)	
Conducted and radiated emissions Class B (EN55022)		
Standard compliance		
EN 62052-11,EN61557-12,EN 62053-21,EN 6	2053-22,EN 62053-23,E	EN 50470-1,EN 50470-3,
EN 61010-1,EN 61010-2,EN 61010-031		

Specification

Measurement accuracy			
	100A(0.5% from 10A	to 120A)	
Rated current (5 level selectable)	600A(0.5% from 10A to 720A)		
	1000A(0.5% from 10	A to 1200A)	
	3000A(0.5% from 30	A to 3600A)	
	6000A(0.5% from 60	A to 7200A)	
	100A MRC-16		
	600A	MRC-36	
Rogwoski coil connect setting	1000A	Y-FCT-200 or Y-FCT-350 or NRC-100	
	3000A NRC-150 or Y-FCT-510		
	6000A	NRC-200 or Y-FCT-800	
	5A	0.5% (100mA~5A) 1%(10mA~100mA)	
ST08 current clamp	10A	0.5% (100mA~10A) 1%(10mA~100mA)	
	Primary setting:	from 1A to 999999A	
CTs connect setting	Secondary setting:	from 0.001mV to 333mV	
Voltage	0.2% from 60V to 500)V	
Power factor	±0.005		
Active/Apparent Power	IEC62053-22 Class 0.5		
Reactive power	IEC62053-21 Class 2		
Frequency	0.01% from 45 to 65Hz		
Active energy	IEC62053-22 Class 0.5s		
Reactive energy	IEC62053-21 Class 2		
Input-current characteristics			
	100A 0.5A to	120A	
	100A 0.5A 10		
	600A 0.5A to		
Primary current range		720A	
Primary current range	600A 0.5A to	720A 00A	
Primary current range	600A0.5A to1kA1A to 12	720A 00A 00A	
Primary current range Measurement input range	600A0.5A to1kA1A to 123kA3A to 36	720A 00A 00A	
	600A 0.5A to 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72	720A 00A 00A 00A	
Measurement input range	600A 0.5A to 7 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV	720A 00A 00A 00A	
Measurement input range Permissible overload Power Supply	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours	720A 00A 00A 00A	
Measurement input range Permissible overload	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours	720A 00A 00A 00A	
Measurement input range Permissible overload Power Supply	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours	720A 00A 00A 00A tery(working time: approx. 7hours)	
Measurement input range Permissible overload Power Supply Power	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours	720A 00A 00A 00A tery(working time: approx. 7hours)	
Measurement input range Permissible overload Power Supply Power power consumption	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours 4*AA bat	720A 00A 00A 00A tery(working time: approx. 7hours)	
Measurement input range Permissible overload Power Supply Power power consumption Screen Backlight On	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours 4*AA bat 1100mW	720A 00A 00A 00A tery(working time: approx. 7hours)	
Measurement input range Permissible overload Power Supply Power power consumption Screen Backlight On Screen Backlight Off	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours 4*AA bat 1100mW	720A 00A 00A 00A tery(working time: approx. 7hours)	
Measurement input range Permissible overload Power Supply Power power consumption Screen Backlight On Screen Backlight Off Wire diameter for terminals	600A 0.5A to 1 1kA 1A to 12 3kA 3A to 36 6kA 6A to 72 1/2 ²⁵ mV-333mV 600mV for 10s/hours 4*AA bat 1100mW 900mW	720A 00A 00A 00A tery(working time: approx. 7hours)	

Port definition

Port number	Port name	Port function	Remarks
1	IA	A-phase current input	
2	IB	B-phase current input	Current input
3	IC	C-phase current input	
4	UN	N-phase voltage input	
5	UC	C-phase voltage input	
6	UB	B-phase voltage input	Voltage input
7	UA	A-phase voltage input	
8	Power	USB Type-C	USB Type-C
9	Micro SD	SD card	Take out(in) SD card

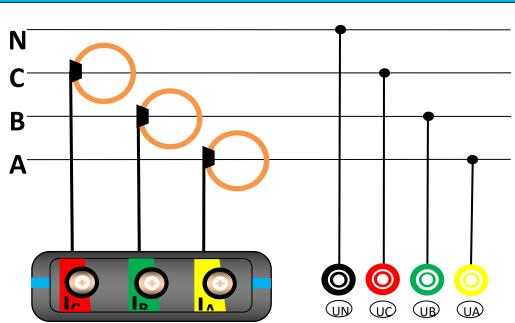
Accessories

Accessories	
Voltage wires	4pcs voltage clamp wires with banana plug (2 meters, 1.5mm ²)
Adaptor	85-265 AC to 9V DC adaptor
SD card	1GB
Remark	Rogowski coil and AA battery not included

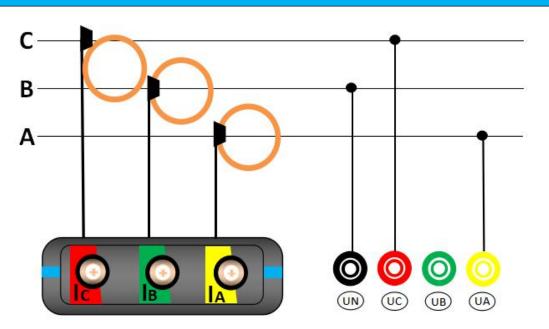
Wiring

- *: Rogowski coil secondary output voltage can not over 333mV rms.
- ^: CT must be voltage output, secondary output can not over 333mV rms.

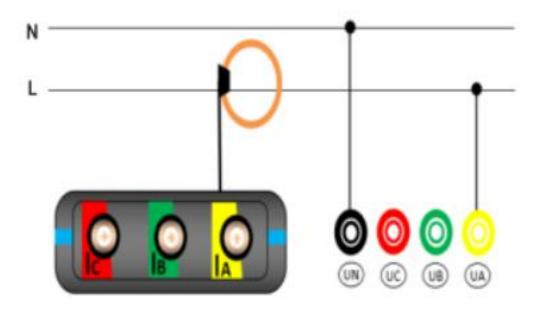
3PH4W



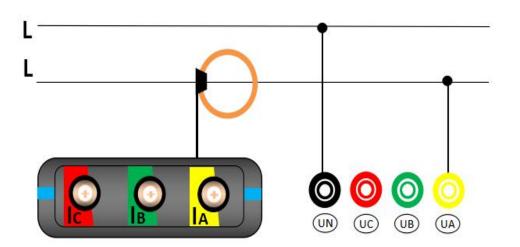
3PH3W



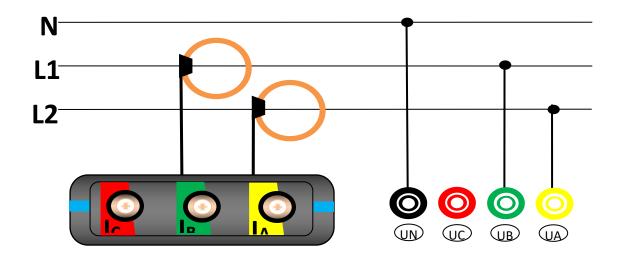
1PH2W L-N



1PH2W L-L



1PH3W L-L-N



Installation

Current input



Voltage input



Battery



Power and SD Card



Meter operation

Introduction

The power meter features a panel with TFT LCD, a graphic display, and contextual menu buttons for accessing the information required to operate the power meter and modify parameter settings.

The Navigation menu allows you to display, configure, and reset parameters

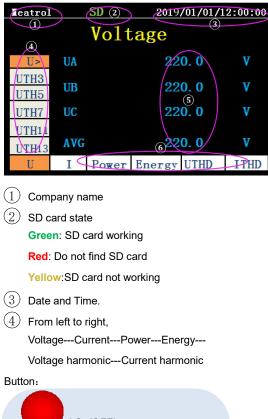
Configuration mode

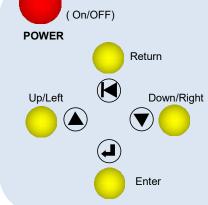
The default factory settings are listed in the following table:

Function	Factory settings		
	3PH4W;		
Wiring	VT Direction connection;		
vviing	3 Rcoils on I1, I2, and I3		
	50Hz		
Ratio	Rcoil FSA=1000A		
	VT ratio=NA		
SD Card	Switch=ENABLE		
SD Card	Period=60s		
	H1=3		
	H2=5		
Harmonic	H3=7		
	H4=9		
	H5=11		
Password(Low)	1000		
Date/Time	-		
	Switch=ON		
BackLight	Period=60s		
	Backlight=5		
Demand	Method: sliding block;		
	Interval: 15 minutes		

Interface

1. Date display Interface





Area ④switch by "Up/Down" Area ⑥swtich by long press "Left/Right" Menu or Exit switch by "Return" Enter secondary swtich by "Enter"

∎eatrol		SD 2019/01/01/12:00:00				
	Voltage					
U>	UA		22	0.0	V	
UTH3 UTH5	UB	220. 0 V			v	
UTH7	UC		220. 0 V			
UTH11 UTH13	AVG		22	0. 0	V	
U	Ι	Power	Energy	UTHD	ITHD	

Left Area from top to bottom:

"U>" Voltage RMS value(Secondary interface) "UTH3" X times Voltage harmonic RMS value "UTH5" Y times Voltage harmonic RMS value "UTH7" Z times Voltage harmonic RMS value "UTH11" A times Voltage harmonic RMS value

Voltage RMS value "U>" press "Enter" switch to Voltage Secondary interface

2.1 Voltage Secondary Interface

leatrol		SD 2019/01/01/12:00:00					
		Voltage/Max.					
Max.	UA		22	0.0	V		
Min. Ubl	UB	220.0					
Angle UL	UC	22 0. 0 V			V		
	AVG		22	0. 0	V		
U	I	Power	Energy	UTHD	ITHD		

Left Area from top to bottom: "Max." Voltage Maximum value "Min." Voltage Minimum value "Angle" Voltage Unbalance degree "UL " Line Voltage value

Noted: After entering the subinterface, long press the up and down key can't switch the

bottom item, you need to return to the main interface to switch

2. Voltage display Interface

3. Current display interface

Leatrol		SD 2019/01/01/12:00:00				
Current						
[>	IA		10	0.0	A	
ITH3	IB		10	0.0	A	
ITH5	IC		10	0.0	A	
ITH7	AVG		1(0.0	Α	
ITH11 ITH13	IN		10	0.0	Α	
U	I	Power	Energy	UTHD	ITHD	

Left Area from top to bottom:

"I>" Current RMS value(Secondary interface) "ITH3" X times Current harmonic RMS value "ITH5" Y times Current harmonic RMS value "ITH7" Z times Current harmonic RMS value "ITH11" A times Current harmonic RMS value "ITH13" B times Current harmonic RMS value

leatrol		SD	2019	/01/01/1	2:00:00		
С	Current\DemandPk\IA						
IA IB IC	IA	2019	7.34 9-01-0	A 1	4		
AVG	AVG 11:00:00						
U	I	Power	Energy	UTHD	I THD		

Left Area from top to bottom:

"IA" Phase A Current Maximum demand

"IB" Phase B Current Maximum demand

"IC" Phase C Current Maximum demand

"AVG" Total Average Current Maximum demand

Current RMS value "U>" press "Enter" switch to Current Secondary interface

3.1 Current Secondary interface

leatrol		SD 2019/01/01/12:00:00					
	Current\Demand						
DMD	IA		2	0.0	Α		
DPK>	IB		9	0.0	٨		
Max.	ID		4	0.0	Α		
Min.	IC		2	0.0	Α		
Ubl							
Angle	AVG		2	0.0	Α		
U	Ι	Power	Energy	UTHD	ITHD		

Left Area from top to bottom:

"EMD" Current demand

"DPK>"Current Maximum demand(Third interface)

"Max." Current Maximum value

"Min." Current Minimum value

"Ubl" Current unbalance degree

"Angle" Current angle

Current Maximum demand(Third interface)(DPK>) press "Enter" to switch.

3.1.1 Current Maximum demand(Third interface)

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4. Power display interface

l eatrol	SI	2019/01/01/12:00:00					
	Active Power						
P>	PA		2	0.9	W		
Q> S>	PB		2	0.9	w		
PF	PC		2	0.9	W		
DPF	SUM		2	0.9	W		
U	I Po	ower	Energy	UTHD	ITHD		

Left Area from top to bottom:

Active Power(Secondary interface)

Reactive Power(Secondary interface)

Apparent Power(Secondary interface)

Power Factor

Fundamental Power Factor

(Secondary interface) press Enter to switch

4.1 Active Power(Secondary interface)

leatrol		SD	2019/01/01/12:00:00				
	Active Power \DMD						
DMD	PA		2	0.9	W		
Dpk>	PB		2	0.9	W		
Max. Min.							
IVIIII.	PC		Z	0.9	W		
	SUM		2	0.9	W		
U	Ι	Power	Energy	UTHD	ITHD		

Left Area from top to bottom:

"DMD" Active Power Demand

"Dpk>" Active Power Maximum Demand(Third interface)

"Max." Active Power Maximum Value

"Min." Active Power Minimum Value

"Dpk>" Active Power Maximum Demand(Third interface) press Enter to switch

4.1.1 Active Power Maximum Demand(Third interface)



Left Area from top to bottom:

"PA" Phase A Active Power Maximum Demand "PB" Phase B Active Power Maximum Demand "PC" Phase C Active Power Maximum Demand

"SUM" Total phase Active Power Maximum Demand

Noted:Reactive Power(Q>) and Apparent Power (S>) Interface is similar to above

I eatrol	SD 2019/01/01/12:00:00							
	Active Energy							
EP	EPA	20.9	wh					
EQ ES	EPB	20.9	wh					
Freq	EPC	20.9	wh					
	SUM	62.7	wh					
U	I Powe	er <mark>Energy</mark> UTHD	ITHD					

Left Area from top to bottom: "EP" Active Energy "EQ" Reactive Energy "ES" Apparent Energy "Freq" Frequency

6. Voltage harmonic display interface

leatrol	a	SD 2019/01/01/12:00:00				
Voltage THD						
Uthd	UA			1.0	%	
THD3 THD5	UB			1.0	%	
THD7	UC			1.0	%	
THD11						
THD13		_				
U	I	Power	Energy	UTHD	ITHD	

Left Area from top to bottom:

"Uthd" Total Voltage harmonic percent "THD3" X times Voltage harmonic percent "THD5" Y times Voltage harmonic percent "THD7" Z times Voltage harmonic percent "THD11" A times Voltage harmonic percent

5. Energy display interface

7. Current harmonic display interface

leatrol		SD	2019/	01/01/1	12:00:00	
Current THD						
ITHD	UA			1.0	%	
ITH3	UB			1. 0	%	
ITH5	UD			1. 0	70	
ITH7	UC			1.0	%	
ITH11						
ITH13						
U	Ι	Power	Energy	UTHD	ITHD	

Left Area from top to bottom:

"ITHD" Total Current harmonic percent "ITH3" X times Current harmonic percent "ITH5" Y times Current harmonic percent "ITH7" Z times Current harmonic percent "ITH11" A times Current harmonic percent "ITH13" B times Current harmonic percent

8. Menu Interface



Press "Return" to switch

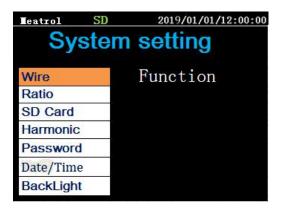
Press "Up/Down" and "Enter" to choice "Data" "Set" or "Info"

9. Setting Interface.



Enter "**Set**" on Menu interface. Enter Password(Low) :1000 (default) Press Up/Down to change number. Long press "Up/Down" to change display number position.

9.1 System Setting Operation



Left Area from top to bottom:

"Wire" Wiring setting

"Ratio" Rated current selection and VT ratio setting.

"SD Card" SD card setting

- "Harmonic" Harmonic times setting
- "Password" Password change setting

"Date/Time" Date/Time change setting

"Backlight" Backlight adjust

"Demand" Demand setting

"Reset" Reset Energy/Min/Max value

9.1.1 Wire setting

Meatrol	50	SD	2019/01/01/12:00:00
		Wire	Setting
Mode		3PH4W	
Vcon		DirectC	on
lcon		RcoilCo	n
Freq(Hz)		50	

Press Enter ,change to next line. Press Up/Down,modify value on current line.

"Mode" Choice wiring type

"3PH4W" three phase 4 wire "3PH3W" three phase 3 wire "1PH2W_LL" single phase 2 wire L_L type "1PH2W_LN" single phase 2 wire L_N type "1PH3W_LLN" single phase 3 wire L_L_N type

"Vcon" Select Voltage sensor connect or not

"DirectCon" : Voltage directly input.No VT "3VT" : 3pcs voltage sensor connect

"Icon" Select Rogowski coil or CT connect

"CTCon": 333mV Current Transformer connect "RcoilCon": Rogowski coil connect directly(No integrator connect)

"Freq" Choice frequency

50Hz 60Hz

Noted: Out of Wire setting interface, will have "Save Changes" notifications, must press "Enter" to Save modify. If press "Return", the modify can't be save.

9.1.2 Ratio Setting

Meatrol SD	2019/01/01/12:00:00			
Ratio Setting				
Rcoil FSA:	1000A			
Rcoil Value:	85mV/kA@50Hz			
VT Sec(V):	4967.295			
VT Pri(v):	967295			

Press Enter ,change to next line. Press Up/Down,modify value on current line. Long press Up/Down,change display number position.

Rcoil FSA: Rated Current
100A/600A/1kA/3kA/6kA selection
Rcoil Value: each Rated current corresponding only one ratio of Rogowski coil,can't be change.
100A 50mV/kA@50Hz
600A 50mV/kA@50Hz
1kA 85mV/kA@50Hz
3kA 85mV/kA@50Hz
6kA 50mV/kA@50Hz
VT sec: Voltage sensor Secondary output value
VT PRI: Voltage sensor Primary input value

Noted: If Choice RcoilCon in "Wire" setting,Then this interface will show Rogowski coil rated current selection. If Choice "CTCon",this setting is setting CT primary and secondary If Choice "DirectCon",the VT ratio setting will not

display in this interface.

9.1.3 SD card setting

	SE) Card Setting
Switch	: En	able
Period	: 00	005 s
Total: 978.2.MB		Free: 977.2.MB

Press Enter ,change to next line.

Press **Up/Down**, modify value on current line.

Long press Up/Down, change display number position.

"Switch" choice Enable or Disable record function

"Enable" start record function

"Disable" stop record function.

"Period" setting record interval time.(from 1s to 99999s)

9.1.4 Harmonic times setting

Meatrol	SD	2015/01/01 12:00:00
	Harmo	onic Setting
H1	3	
H2		
H3	7	
H4	11	
H5	13	

Press Enter ,change to next line.

Press **Up/Down**,modify value on current line.

Long press **Up/Down**, change display number position.

Could measure 5 different times harmonic. Setting times range: 2 to 52 times.

9.1.5 Password setting



Press **Enter** ,change to next line. Press **Up/Down**,modify value on current line. Long press **Up/Down**,change display number position.

Password default is 1000

Enter again "set" interface, should enter new password after modify.

9.1.6 Date/Time Setting



Press Enter ,change to next line.

Press **Up/Down**, modify value on current line.

Long press Up/Down, change display number position.

9.1.6 BackLight setting

Meatrol	SD	2019/01/01/12:00:00
	Ba	ackLight Setting
Switch		ON
Period		00020 s
Backlig	ht :	8

"Switch" choice back light mode.

ON: back lights on always

KEY: Automatic back light off

"Period" Setting Automatic back light off time

"Backlight" setting brightness from 1 to 9

KEY principle:

can't detect any press operation after Period time, back light off.Any press operation, light on.

9.1.7 Demand setting

Meatrol	SD	2019/01/01/12:00:00
		1e-2170.00
	Dema	nd Setting
	Method	: Sliding
	Interval(M	in): 60

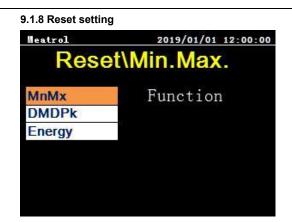
Press Enter ,change to next line.

Press **Up/Down**,modify value on current line.

Long press Up/Down, change display number position.

"Method" choice demand type:

Sliding: Time sliding mode Fixed: Time fixed mode Interval (Min) : from 1 to 60 minute



Press Enter ,change to next line.

Press **Up/Down**,modify value on current line. Long press **Up/Down**,change display number position

MnMx: Reset Minimum/Maximum value DMDPk: Reset Maximum Demand value Energy: Reset Energy

10. "Info" interface

Meatrol	SD	2019/01/01/12:00:00	
	Inf	ormation	
Model	ME	435	
FW Ver	ME435-V2.3.2.170804		
SN	3117045006		

Info interface is used for display the information Model: meter Model No. FW Ver: Meter Firmware version Number

SN: Series Number