



- True RMS @1024 Samples/Cycle
- IEC 62053-22 Class 0.2S Compliant
- IEC 61000-4-30 Class A Ed.3 Compliant
- IEC 61000-4-15 Flickermeter
- PQ Disturbance Detection
- Disturbance Waveform Recording
- Comprehensive SDR and Energy Logs
- Dual Ethernet and 2xRS-485
- Modbus RTU/TCP, HTTPS, SNTP, SMTP
- Extended Temperature Range
- Extended Warranty
- 7" TFT Color Dot-Matrix LCD Display
- 8GB Log Memory
- EN50160 Compliance Reporting
- IEC 61000-4-7 Harmonics/Interharmonics
- ½ cycle RMS Recorder
- WF Recording in COMTRADE format
- 2-150kHz C. E. Measurements
- IEC 61850 Support
- Optional Split-Core Current Probes
- Industrial Grade Components
- Standard Tropicalization

*Designed For Reliability*

*Manufactured To Last*



The iMeter 8 is CET's Advanced PQ Analyzer designed for the compliance monitoring market as it offers un-surpassed functionality by combining Class 0.2S accuracy and advanced PQ features in a 192x192x182.4mm housing with a High-Resolution, Color Dot-Matrix LCD display. The iMeter 8 complies with such standards as IEC 62053-22 Class 0.2S, IEC 61000-4-30 Ed.3 Class A Compliant, IEC 61000-4-15, IEC 61000-4-7, EN50160 as well as IEC 61850 for Substation Automation. Further, it offers a large logging capacity with 8GB of on-board memory, extensive I/O, multiple Time Sync. methods, 2x100BaseT Ethernet and 2xRS-485 ports. In addition, it optionally provides 2xAO and 1xAI for different applications. These features likely make the iMeter 8 one of the most advanced PQ Analyzer for an intelligent Power Quality Monitoring System.

### Typical Applications

- PQ monitoring at HV, MV and LV Utility Substations
- Data Centers, Semiconductor Fabs, Heavy Industries
- 7x24 Automated Manufacturing Facilities
- Dips, Swells, Interruptions, Transients, Flickers and Harmonics monitoring
- Mains and critical feeder monitoring
- IEC 61850 support for Substation Automation and Smart Grid
- Retrofit applications with Split-Core Current Probe (SCCP)

### Basic Features

- IEC 62053-22 Class 0.2S kWh metering with Multi-Tariff TOU
- True RMS @ 1024 samples/cycle sampling
- 8GB on-board log memory
- 7" High-Resolution Color Dot-Matrix Display @ 800x480
- Time Sync. via SNTP, IEEE 1588 (PTP), IRIG-B or GPS 1PPS output
- 256 Standard Setpoints and 16 High-Speed Setpoints
- Dual 100BaseT Ethernet and two RS-485 ports

### Power Quality Features

- IEC 61000-4-30 Edition 3 Class A Compliant
- IEC 61000-4-15, IEC 61000-4-7 and EN50160 Reporting
- 2kHz to 150kHz Conducted Emission Measurements
- Disturbance Direction Indicator
- Disturbance Waveform Recording
- Data Recording, Statistical Data Recording and ½ cycle RMS Recording
- Fault Capture up to 2,000V peak to peak
- Waveform Recording in COMTRADE and PQDIF file format (Compatible with the PQ View software)

### Front Panel Display and Web Interface

- True RMS Real-time, Harmonics, Power and Energy Measurements
- Demands and Multi-Tariff TOU
- Max. & Min. Logs
- Sequence & Unbalance
- Real-time WF Capture of 3-phase Voltages and Currents
- Event Waveforms and ITIC/SEMI F47 Curves
- Harmonics & Interharmonics Histogram and Phasor Diagrams
- Device and SOE Logs, PQ Counters and I/O Status
- Device Configuration and Diagnostics

### Power Quality Metering

#### PQ Parameters as per IEC 61000-4-30 Ed.3 Compliant

- Power Frequency
- Magnitude of the Supply Voltage and Current
- Flicker
- Transients, Dips/Swells and Interruptions
- Supply Voltage Unbalance and Current Unbalance
- Mains Signalling Voltage on the Supply Voltage
- Rapid Voltage Changes
- Measurement of Over and Under Deviation Parameters
- Harmonics and Interharmonics Measurements for Voltage and Current
- 2kHz to 150kHz Conducted Emission Measurements

#### Harmonic and Interharmonic Measurements

- K-Factor for Current, Crest Factor for Current and Voltage
  - U and I THD, TOHD, TEHD, TIHD, TOIHD, TEIHD and TH (RMS)
  - U and I Individual Harmonics (%HD and RMS) from 2<sup>nd</sup> to 63<sup>rd</sup> #
  - U and I Individual Interharmonics (%IHD and RMS) from 1<sup>st</sup> to 63<sup>rd</sup> #
  - Total Harmonic P, Q, S and PF
  - Harmonic P, Q, S and PF from 2<sup>nd</sup> to 63<sup>rd</sup> in RMS
  - Harmonic Phase Angle from 2<sup>nd</sup> to 63<sup>rd</sup> #
  - U and I DC Components
  - Total Harmonic kWh, kvarh Import/Export/Net/Total
  - Total Harmonic kWh, kvarh Import/Export from 2<sup>nd</sup> to 63<sup>rd</sup>
- \*%HD and %IHD can be configured as % of Fundamental, % of U/I nominal or % of RMS

#### Conducted Emissions in the 2kHz to 150kHz range

- Real-time amplitude (150/180-Cycle) and the Max., Min., Avg. and CP95 values (in 1-min interval) for a total of 106 frequency segments for the 2-9kHz and 9-150kHz range are available via the Web Interface
- Display of the Daily Heat Map for the Max., Min., Avg. and CP95 values on the Web Interface

#### Sequence and Unbalance

- Zero, Positive and Negative Sequence Components
- U and I Unbalance based on Zero and Negative Sequence Components

#### Dips, Swells, Interruptions and Transients Recording

- Transients capture as short as 20us at 1024 samples @ 50Hz for sub-cycle disturbance such as capacitor switching and resonance phenomena
- Dips, Swells & Interruptions detection @ 10ms (½ cycle at 50Hz)
- Trigger for DO, SOE Log, WF Recording, Disturbance Waveform Recording, RMS Recording and Alarm Email
- Display of ITIC or SEMI F47 plot as well as the Event Waveform on the Front Panel and Web Interface

#### Rapid Voltage Changes (RVC)

- Detection of a quick transition in RMS voltage between two steady-states Voltage conditions

#### Inrush Current Monitoring

- Monitoring of the ½ cycle RMS Current and capturing of the Current waveforms associated with events such as motor starting and transformer being energized

#### Disturbance Direction Indicator

- Determine if a Dip Event is located upstream or downstream
- Pinpoint if the cause of the event is external or internal

#### Real-Time Waveform Capture (WFC) and Waveform Recorder (WFR)

- Real-time WFC @ 128 samples/cycle x 4 cycles via Front Panel and Web Interface
- WFR with max. 128 entries
- Simultaneous capture of 3-phase Voltage and Current Inputs
- No. of Cycles x Samples/Cycles with programmable pre-fault cycles: 375x1024, 750x512, 1500x256, 3000x128
- Scheduled WFR with max. repetition of 10,000 times and programmable schedule from 1 to 1440 mins
- COMTRADE file format, downloadable from the on-board Web Server or FTP Server



#### Disturbance Waveform Recorder (DWR)

- 128 entries
- Simultaneous recording of all Voltage (U1-U4) and Current (I1-I5) Inputs
  - Initial Fault: 35 cycles @ 512 samples/cycle
  - Extended Fault: Up to 150 cycles @ 16 samples/cycle
  - Steady State: Up to 360s of 1-cycle absolute peak values
  - Post Fault: 15 cycles @ 512 samples/cycle

#### RMS Recorder (RMSR)

- 128 entries
- 8 channels max., selectable U, I, P, Q, S, PF, Frequency, Freq. Deviation
- Recording Interval from 0.5 to 60 cycles
- Recording Depth @ 7200 samples per parameter
- Configurable pre-fault samples from 100 to 500
- 72 seconds of ½ cycle RMS recording @ 50Hz or 60 seconds @ 60Hz

#### PQ Event Counters

- Dips, Swells, Interruptions, Transients, Rapid Voltage Changes, Inrush Current, Mains Signalling Voltages and Total PQ Event Counters

### Metering

#### Basic Measurements (1-second update)

- 3-phase U, I, P, Q, S and PF as well as U4, I4 and I5
- kWh, kvarh Import/Export/Net/Total and kVAh Total
- Frequency

#### High-Speed Measurements

- 3-phase U, I, P, Q, S and PF as well as U4, I4 and I5 @ ½ cycle
- Frequency @ 1 cycle

#### Demands

- Present and Predicted Demand for 3-phase U, I, P, Q, S and PF as well as U4, I4, I5, Frequency
- Present Demand of 4-phase U & I THD/TOHD/TEHD, 4-phase Current K-Factor, U & I Unbalance, Over Deviation & Under Deviation of Voltage and Frequency, 4-phase Fundamental Current
- Max./Min. values per Demand Interval
- Maximum Demands for This Month and Last Month (or Since Last Reset & Before Last Reset)
- Demand Synchronization with DI

#### Multi-Tariff TOU capability

- Two independent sets of TOU Schedules, each supporting
  - Up to 12 Seasons
  - 90 Holidays or Alternate Days and 3 Weekdays
  - 20 Daily Profiles, each with 12 Periods in 15-minute intervals
  - 8 Tariffs, each providing the following information:
    - kWh/kvarh Import/Export and kVAh
    - P & Q Import/Export Maximum Demands time-stamped
    - Register rollover at 100,000,000,000.000 kWh
  - 12 Historical Logs for Energy and Max. Demand

### Data and Event Recorders

#### Non-Volatile Log Memory

- 8GB on-board Log Memory

#### Data Recorder (DR) Log

- 8 Standard DR Logs
- Recording Interval from 1s to 40 days for Standard DR Log
- Up to 32 Parameters for each DR Log with programmable sources such as Real-time Measurements, Harmonics, Unbalance and Demand Measurements
- Configurable Depth and Recording Offset
- Support FIFO or Stop-When-Full recording modes

#### Interval Energy Recorder (IER) and Accumulative Energy Recorder (AER)

- Both IER Log and AER Log support the recording of Total RMS kWh, kvarh Import/Export/Total/Net and kVAh, Total Fundamental and Total Harmonic kWh, kvarh Import/Export
- Recording interval from 1 minute to 65535 minutes
- Max. Recording Depth @ 65535 records
- Support FIFO and Stop-When-Full modes

#### Statistical Data Recorder (SDR)

- 16 SDR Logs of max. 64 parameters each
- Recording of the Max., Min., Avg. and 95<sup>th</sup> percentile for Real-time Measurements including U, I, P, Q, S, PF, Freq., Power, PF, Harmonics, Deviations and Unbalances
- Recording interval from 0 minute to 60 minutes
- 30 days @ 1-minute, 300 days @ 10-minute, 450-day @ 15-minute
- PQDIF file format, downloadable from the on-board FTP Server
- Support FIFO or Stop-When-Full mode

#### Max./Min. Recorder (MMR)

- 4 Max./Min. Recorders of 20 parameters each
- RMS/Fundamental/Harmonic/Interharmonic Measurements, Demands, Deviations, Unbalances and Flicker
- Two transfer modes:
  - Manual: Max./Min. Since Last Reset & Before Last Reset
  - Auto: Max./Min. of This Month & Last Month

#### SOE Log

- 1024 FIFO events time-stamped to ±1ms resolution
- Setpoint events, I/O operations, Dips, Swells, Interruptions, Transients, Rapid Voltage Changes, Inrush Current, Mains Signalling Voltages, etc.
- Record the time and characteristic data of the Setpoint and PQ event

#### Device Log

- 1024 FIFO entries time-stamped to ±1ms resolution
- Power On/Off Records, Setup changes, Time Sync., Device Operations and Self-diagnostics

### Setpoints

#### PQ Setpoints

- Transients
- Dips, Swells, Interruptions
- Rapid Voltage Changes
- Inrush Current
- Trigger DO, SOE Log, WFR, DWR, RMSR or Alarm Email

#### Control Setpoints

- 256 standard and 16 High-Speed Setpoints
- Extensive monitoring sources including U, I, P, Q, S, Demand, Harmonics, Unbalances, Deviations, Flickers, Phase Reversal/Loss, AI, etc.
- Configurable thresholds and time delays
- Trigger DO, SOE Log, WFR, DWR, RMSR or Alarm Email

#### Digital Input Setpoints

- Provides control output actions in response to changes in Digital Input status
- Trigger DO, SOE Log, WFR, DWR, RMSR or Alarm Email

### Inputs and Outputs

#### Digital Inputs

- Standard 8 or optional 16 channels
- Standard volt free dry contact with 24VDC Internal Excitation
- Optional 110VAC/DC or 220VAC/DC External Excitation
- 1000Hz sampling for status monitoring with programmable debounce
- Pulse counting with programmable weight for each channel for collecting WAGES (Water, Air, Gas, Electricity, Steam) information
- Demand Synchronization and Tariff Switch based on DI Status

#### Digital Outputs

- Standard 4 or optional 8 channels Mechanical Relays for general purpose control or alarming
- Standard 4 SS Relays for Energy pulsing applications

#### Analog Inputs (Optional)

- Two channels 0/4-20mA DC input with programmable zero and full scales that can be used to measure external transducer signal

#### Analog Output (Optional)

- One Channel 0/4-20mA DC output with programmable zero and full scales



**Communications**

**Ethernet Ports (P1, P2)**

- Dual 10/100BaseT Ethernet Ports with RJ45 connector
- Protocols supported: Modbus TCP, HTTPS, SNMP, SMTP, FTP and IEC 61850
- Built-in password protected Web Server for easy data viewing, setup configuration and firmware upgrade
- Simultaneous client connections for 12xModbus TCP & 12xIEC 61580

**RS-485**

- Dual optically isolated RS-485 port with baud rate from 1.2 to 38.4 kbps
- Support Modbus RTU and Ethernet Gateway

**Time Synchronization**

- Battery-backed Real-time clock @ 6ppm ( $\leq 0.5s/day$ )
- Time Sync. via Modbus RTU/TCP, SNMP, IEEE 1588 (PTP)
- Optional GPS/IRIG-B outputs

**System Integration**

**PecStar iEMS**

- The iMeter 8 is supported by CET's PecStar iEMS
- In addition, the iMeter 8 can be easily integrated into other 3<sup>rd</sup> party systems because of its support of multiple communications ports as well as different industry standard protocols such as Modbus and IEC 61850.

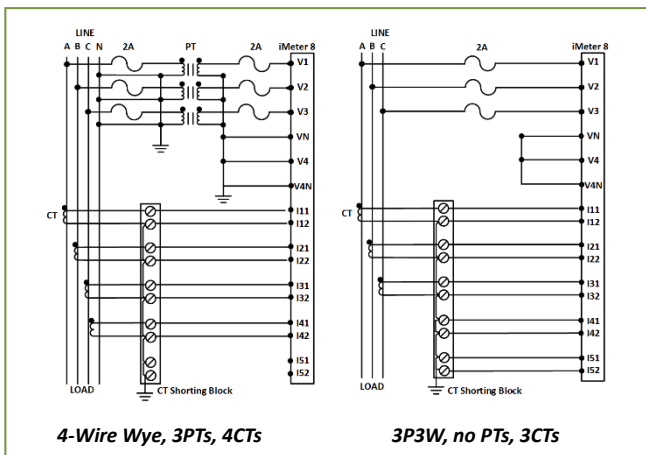
**DiagSys**

- Display of Real-time Measurements, PQ Events, Waveforms and Statistical Trend charts
- Export of IER, AER and SDR Logs as well as EN 50160 Reports
- Generation and Export of self-defined PQ Analysis Reports

**3<sup>rd</sup> Party System Integration**

- Easy integration into Substation Automation or Utility SCADA systems via Modbus RTU, Modbus TCP or IEC 61850
- The on-board, password-protected Web Server provides user-friendly access to its data and supports the configuration for most Setup parameters via a web browser without the use of proprietary software
- The on-board, password protected FTP Server allows logged data in CSV format and waveform records in PQDIF or COMTRADE format to be downloaded without any special software. The downloaded files can be subsequently viewed using software that supports the industry standard PQDIF and COMTRADE file formats

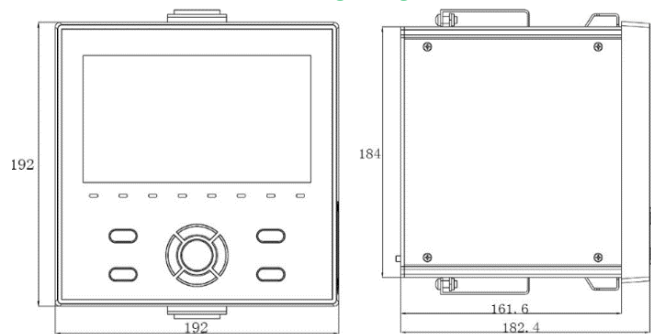
**Typical Wiring Diagrams**



**Accuracy**

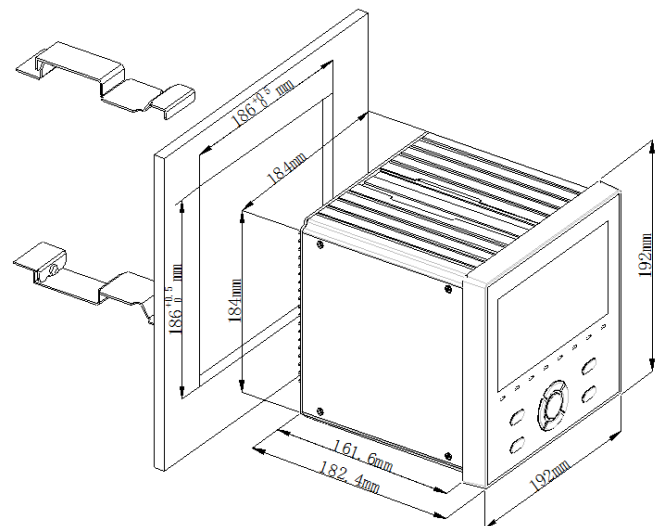
Parameters	Accuracy	Resolution
Voltage (U)	$\pm 0.1\%$	0.001V
I1, I2, I3	$\pm 0.1\%$	0.001A
	SCCP Option: $\pm 0.1\% + \text{Error of S CCP}$	
I4	$\pm 0.1\%$	
I5	$\pm 0.5\%$	
P, Q, S	$\pm 0.2\%$	0.001kX
	SCCP Option: $\pm 0.5\%$	
kWh, kVAh	IEC 62053-22 Class 0.2S	0.1kXh
	SCCP Option: IEC 62053-21 Class 1	
kvarh	IEC 62053-24 Class 0.5S	0.1kvarh
	SCCP Option: IEC 62053-24 Class 1	
PF	$\pm 0.2\%$	0.001
	SCCP Option: $\pm 0.5\%$	
Frequency	$\pm 0.003 \text{ Hz}$	0.001Hz
Harmonics	IEC 61000-4-7 Class A	0.001
K-Factor	IEC 61000-4-7 Class A	0.001
Phase Angle	$\pm 0.2^\circ$	0.1 $^\circ$
	SCCP Option: $\pm 0.2^\circ + \text{Phase Error of S CCP}$	
U Unbalance	$\pm 0.1\%$	0.01%
I Unbalance	$\pm 0.5\%$	0.01%
Pst, Plt	$\pm 5\%$	0.01%

**Device Views and Mounting Diagram**



Front View

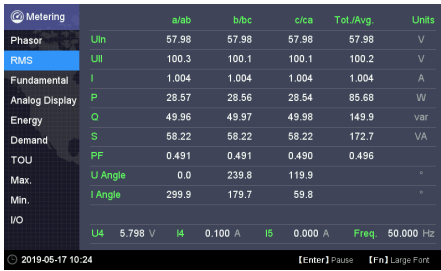
Side View



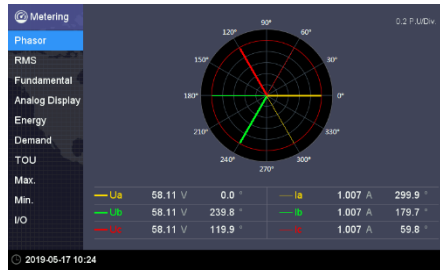
Installation



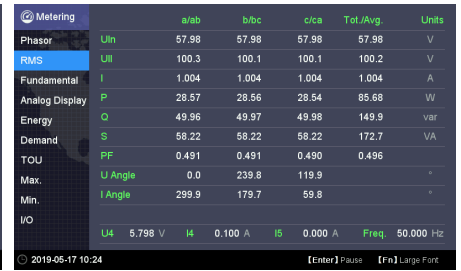
## Front Panel User Interfaces



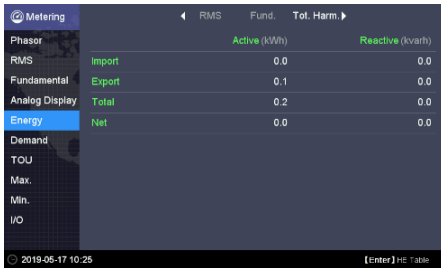
Basic Measurement



Phasor Diagram



RMS



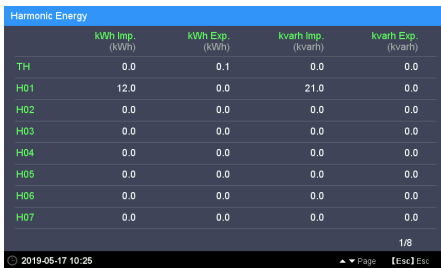
Energy Display



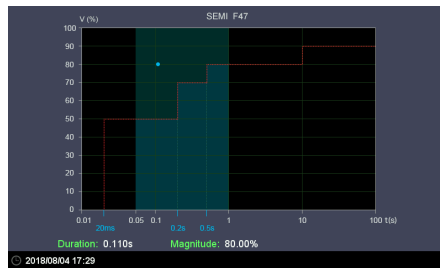
Large Character TOU Energy Display



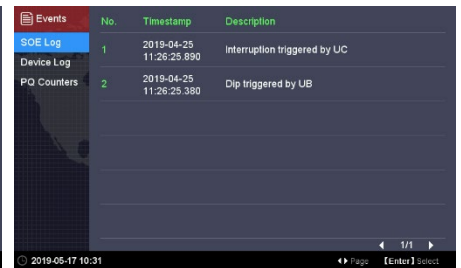
Harmonics



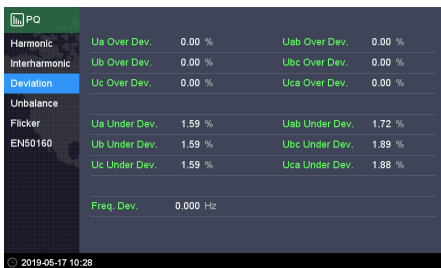
Harmonic Energy Measurements



SEMI F47 Plot



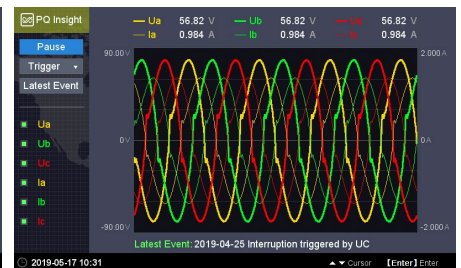
Events



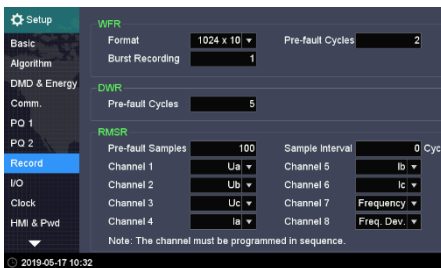
Power Quality



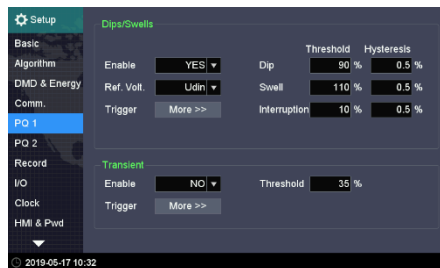
EN 50160 Report



Real-Time WF Capture



Record Setup



PQ Setup



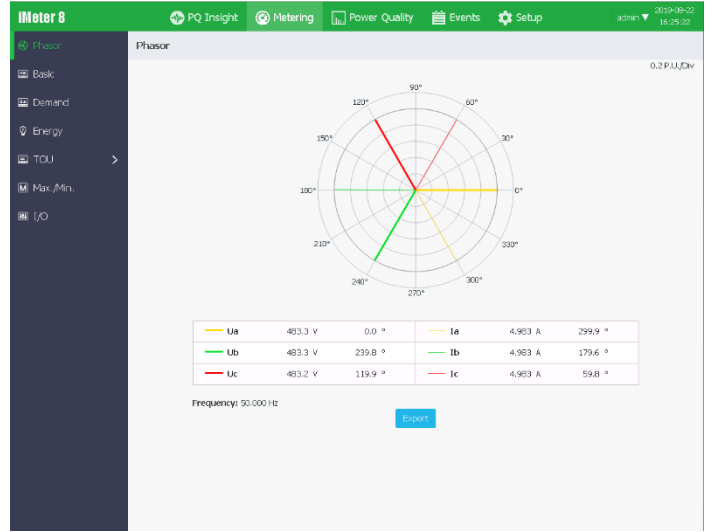
Comm. Setup



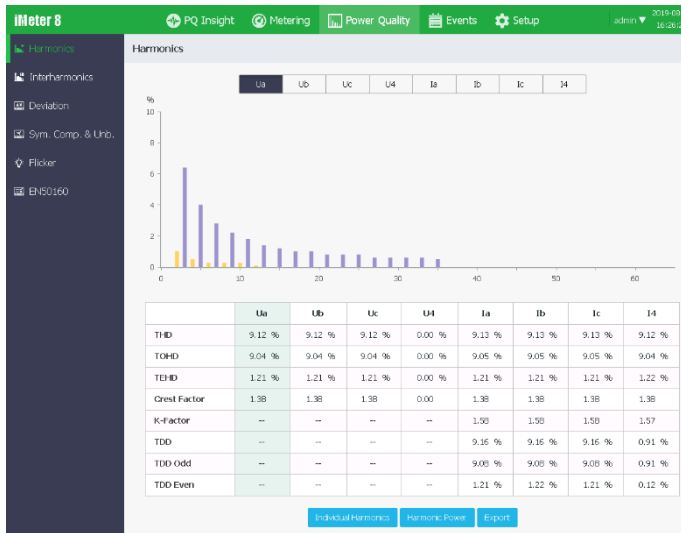
## Web Interfaces



PQ Insight with Latest Events List



Phasor Diagram



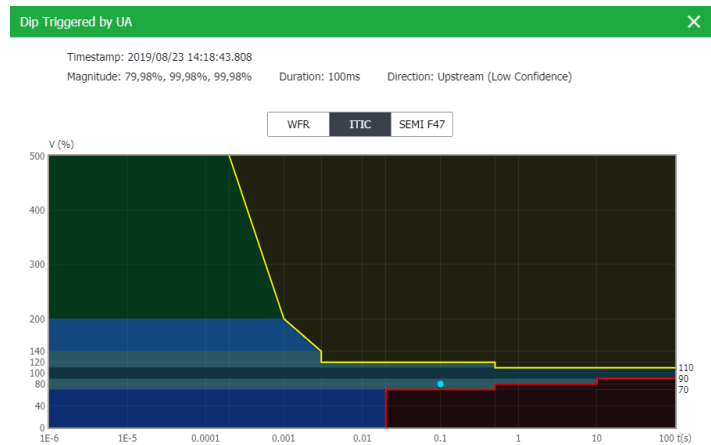
Harmonics Histogram

No.	Power Quality Parameters	Conclusion
01	Power Frequency	✓
02	Supply Voltage Variations	✓
03	Rapid Voltage Changes	✓
04	Flicker Severity	✗
05	Supply Voltage Unbalance	✓
06	Harmonic Voltages	✓
07	Interharmonic Voltages	✓
08	Main Signaling Voltages	✓

EN50160



Event-associated Waveform



Event-associated ITIC Curve



### Technical Specifications

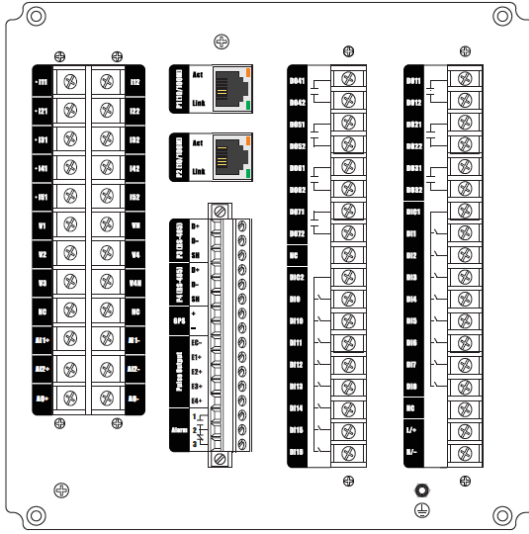
Voltage Inputs (V1, V2, V3, VN, V4, V4N)	
Standard (Un)	400VLN/690VLL +20%
Range	1% to 200% Un for 400VLN nominal
Overload	2xUn continuous, 4xUn for 1s
Burden	< 0.5VA/per phase
PT Ratio	
Primary	1-1,000,000V
Secondary	1-1,500V
V4 Primary	1-1,000,000V
V4 Secondary	1-1,500V
Frequency	40Hz-60Hz @ 50Hz, 48Hz-72Hz @ 60Hz
Current Inputs (I11, I12, I21, I22, I31, I32, I41, I42, I51, I52)	
Standard (In)	5A (Standard), 1A (Optional)
Range	1% to 400% In
Starting Current	0.1% In
Overload	4xIn continuous, 20xIn for 1s
Burden	< 0.5VA/per phase @ 5A < 0.1VA/per phase @ 1A
Optional SCCP Options	Split-Core Current Probe Input @ 500mV
SCCP-50A-500mV	5A/50A (In/Imax), max. 500mV Output
SCCP-200A-200mV	20A/200A (In/Imax), max. 200mV Output
SCCP-500A-500mV	500A Imax, max. 500mV Output
SCCP-5000A-500mV	Selectable 500A/5000A (Imax) Rogowski Coil, max. 500mV Output
CT Ratio	
Primary	1-30,000A
Secondary	1-50A
I4 Primary	1-30,000A
I4 Secondary	1-50A
Power Supply (L+, N-, G)	
Standard	95-250VAC/VDC ± 10%, 47-440 Hz
Burden	< 12W
Overvoltage Category	CATIII 300V
Digital Inputs (COM, DI1 to DI8 or optional DI1 to DI16)	
Standard	Dry contact, 24VDC internally wetted
Optional	110V/220V AC/DC externally wetted
Sampling	1000Hz
Hysteresis	1ms minimum
Form A Relay Outputs (DO1 to DO3 or optional DO1 to DO7)	
Type	Form A Mechanical Relay
Loading	5A @ 250VAC / 30VDC
Form C Relay Outputs (Alarm 1, 2, 3)	
Type	Form C Mechanical Relay
Loading	8A @ 250VAC / 24VDC
Pulse Outputs (E1+, E1-, E2+, E2-, E3+, E3-, E4+, E4-)	
Type	Form A Solid State Relay
Isolation	Optical
Max. Load Voltage	30VDC
Max. Forward Current	100mA
Optional Analog Input (AI1+, AI1-, AI2+, AI2-)	
Type	0-20 / 4-20 mA DC
Overload	24 mA maximum
Optional Analog Output (AO+, AO-)	
Type	0-20 / 4-20 mA
Loading	500Ω maximum
Overload	24 mA maximum
Environmental Conditions	
Operating Temperature	-25°C to 70°C
Storage Temperature	-40°C to 85°C
Humidity	5% to 95% non-condensing
Atmospheric Pressure	63 kPa to 110 kPa
Pollution Degree	II
Measurement Category	1000V CAT III
Mechanical Characteristics	
Panel Cutout	186x186 mm
Unit Dimensions	192x192x182.4 mm
IP Rating	52

### Standards of Compliance

Safety Requirements		
CE LVD 2014 / 35 / EU	EN61010-1: 2010 EN61010-2-030: 2010	
Electrical Safety in Low Voltage Distribution Systems up To 1000Vac and 1500 Vdc	IEC 61557-12: 2018 (PMD)	
Insulation	IEC 62052-11: 2003 IEC 62053-22: 2003 EN 61010-1: 2010	
AC Voltage: 2kV @ 1 minute		
Insulation Resistance: >100MΩ		
Impulse Voltage: 6kV, 1.2/50µs		
EMC Compatibility		
CE EMC Directive 2014 / 30 / EU (EN 61326: 2013)		
Immunity (EN50082-2)		
Electrostatic Discharge	EN 61000-4-2: 2009	
Radiated Fields	EN 61000-4-3: 2006+A1: 2008+A2: 2010	
Fast Transients	EN 61000-4-4: 2012	
Surges	EN 61000-4-5: 2014+A1: 2017	
Conducted Disturbances	EN 61000-4-6: 2014	
Magnetic Fields	EN 61000-4-8: 2010	
Voltage Dips and Interruptions	EN 61000-4-11:2004+A1: 2017	
Emission (EN50081-2)		
Limits And Methods of Measurement of Electromagnetic Disturbance Characteristics of Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment	EN 55011: 2016	
Limits and Methods of Measurement of Radio Disturbance Characteristics of Information Technology Equipment	EN 55032: 2015	
Limits for Harmonic Current Emissions for Equipment with Rated Current ≤16 A	EN 61000-3-2: 2014	
Limitation of Voltage Fluctuations and Flicker in Low-Voltage Supply Systems for Equipment With Rated Current ≤16 A	EN 61000-3-3: 2013	
Emission standard for Industrial Environments	EN 61000-6-4: 2007+A1: 2011	
Mechanical Tests		
Vibration Test	Response	IEC 255-2-1:1989
	Endurance	IEC 255-2-1:1989
Shock Test	Response	IEC 255-2-2
	Endurance	IEC 255-2-2
Bump Test	IEC 255-2-2	
Power Quality		
Voltage Characteristics of Electricity Supplied by Public Distribution Systems	EN 50160	
General Guide on Harmonic and Interharmonic Measurements and Instrumentation, for Power Supply Systems and Equipment Connected Thereto	IEC 61000-4-7	
Flickermeter - Functional and Design Specifications	IEC 61000-4-15	
Testing and Measurement Techniques - Power Quality Measurement Methods	IEC 61000-4-30 Ed.3 Class A Compliant	



## Rear Panel



16xDI+8xDO+2xAI+1xAO

## Ordering Guide

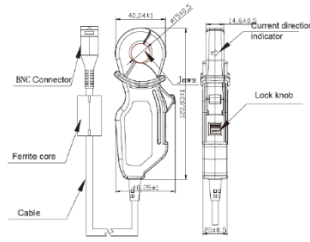
Product Code		Description
iMeter 8 Advanced Power Quality Analyzer		
<b>Basic Feature</b>		
A		1024 samples/cycle, 8GB On-Board Memory
B*		1024 samples/cycle, 8GB On-Board Memory IEC 61000-4-30 Ed. 3 Class A Compliant with 2-150kHz Measurement
<b>Input Current</b>		
5		5A
1		1A
SCCPA*		SCCP Option for use with CT Clamps with max. 500mV output.
<b>Input Voltage</b>		
9		400V LN/690V LL + 20%
<b>Power Supply</b>		
2		95-250VAC/DC ± 10%, 47-440Hz
3		20-60VDC (Future Consideration)
<b>System Frequency</b>		
5		50Hz
6		60Hz
<b>I/O</b>		
A		8xDI + 4xDO + 4xSS Pulse Outputs
B*		8xDI + 4xDO + 2xAI + 1xAO + 4xSS Pulse Outputs
C*		16xDI + 8xDO + 4xSS Pulse Outputs
<b>DI Excitation</b>		
N		Dry Contact (@24VDC Self-Excitation)
1		110V AC/DC External Excitation
2		220V AC/DC External Excitation
<b>Communications</b>		
A		2x100BaseT + 2xRS-485
<b>Time Sync.</b>		
A		GPS, IRIG-B
<b>Display Language</b>		
E		English
iMeter 8 - A 5 9 2 5 A N A A E		iMeter 8-A5925ANA AE (Standard Model)

\*Additional charges apply

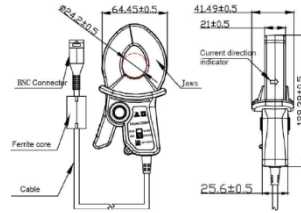
~ This option does not support I/O option of B (8xDI + 4xDO + 2xAI + 1xAO + 4xSS Pulse Outputs).

\* The SCCPA option is compatible with the SCCP models listed in the "SCCP Option" sheet. This option does not come with any Current Clamp. Please refer to the "SCCP Option" sheet for more information and order the desired model and quantity as a separate item.

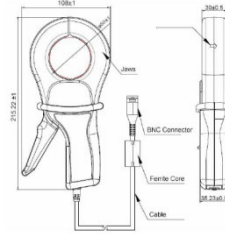
Optional 50A, 200A, 500A and 5000A CATIII Split-Core Current Probes for Non-Intrusive Applications.



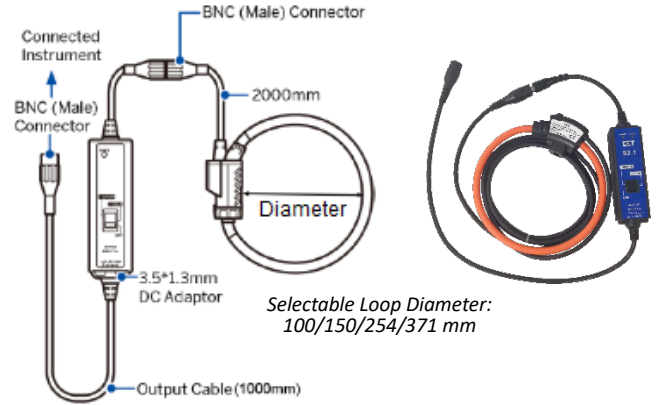
PMC-SCCP-50A-500mV



PMC-SCCP-200A-200mV



PMC-SCCP-500A-500mV



PMC-SCCP-5kA-500mV

Please refer to the Technical Specifications for more information about the SCCPs and Flexible Rogowski Coil.

Your Local Representative



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