

ACQUISITION

ACQUISITION 50 ELECTRICAL METER



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Description

HVEX has developed a meter for Classic Quantities: voltage, current, active power, reactive power, apparent power, power factor, active energy, reactive energy, active demand, and reactive demand.

However, it also includes quantities defined by IEEE Std. 1459-2010: fundamental and harmonic voltages and currents (up to the 50th order), powers, power factors, harmonic distortions of voltage and current, voltage and current imbalances, harmonic pollution factor, load imbalance factor, positive, negative, and zero sequence voltages and currents.

Benefits:

- 100% brazilian manufactured equipment, with guaranteed training and after-sales service.
- High automation, simplicity, and safety.

The Acquisition 50 is a power quality measurement instrument (Class A) with additional features, such as: eight inputs for voltage measurement with a capacity of 600 V, eight inputs for current measurement with a capacity of 5A, eight inputs for temperature measurement, range from 0 to 200 °C, and two Triak outputs, 1 A 220 V, for process control or alarms.

It has an accuracy of 0.1% for voltage measurement, 0.1% for current measurement, and 0.5 °C for temperature. Readings up to the 50th Harmonic can be made, allowing it to define harmonic components for excitation, and it allows direct connection or through the secondary of PTs and CTs.

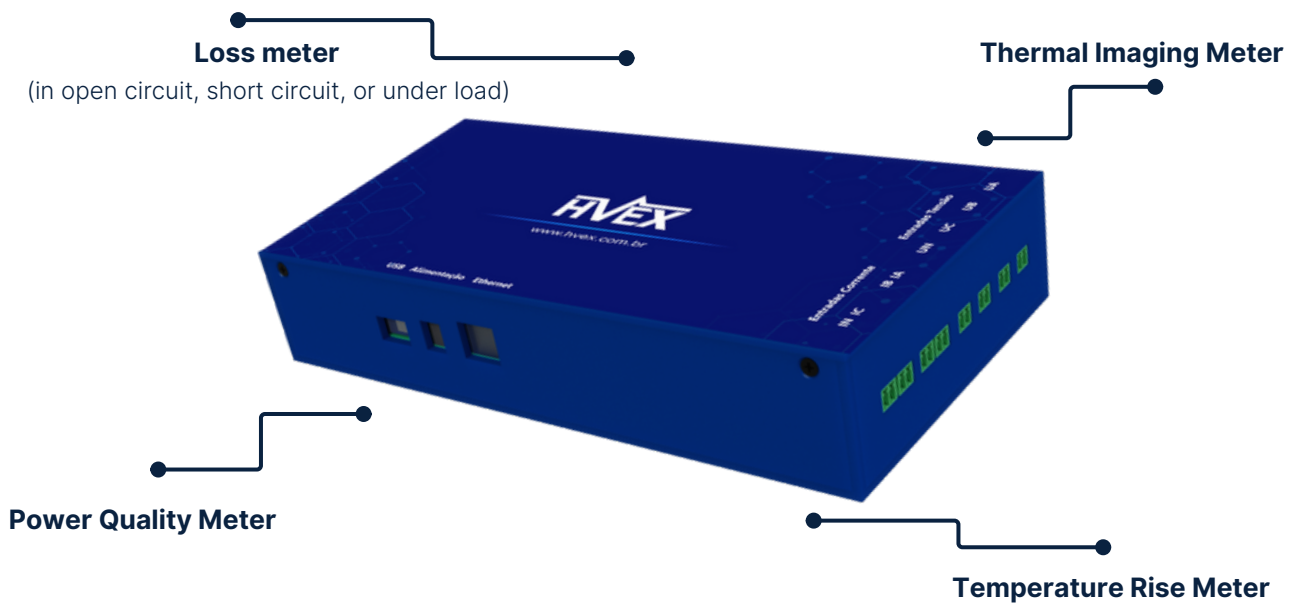


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Benefits

- Easy installation.
- Single-phase, two-phase, and three-phase measurement in the same equipment.
- Intuitive interface.
- Option to choose between conventional CTs and flexible clamps.
- Measurement results available in CSV format, allowing for customized analysis.
- Provides all measurements and parameters according to the new power definitions established by IEEE Std. 1459-2010, enabling a more detailed analysis of the system.
- Easy-access database for network insertion and automatic reporting.
- Integrated protection circuit and isolated channels.
- Equipment manufactured domestically.
- Two-year warranty.

Applications



7" screen, optional for the mobile app, local parameterization and results visualization. Optional

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Model for Panel



Model for Fieldwork use



Technical Specifications

Power supply	5 VDC
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Input voltage	5 V to 600 V
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Voltage at the secondary of the PT	0,01 mV to 333 mV
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Energy	Active	0 to 999,9 GWh
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Reactive	0 to 999,9 GVARh
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Apparent	0 to 999,9 GVAh
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Current	600 A	(0,5 A to 720 A)
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3000 A	(0,5 A to 3600 A)
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6000 A	(0,5 A to 7200 A)
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Frequency	45 Hz to 65 Hz
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Interface	RJ45
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USB

Communication protocol	Modbus TCP
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IP (Default)	192.168.1.5
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Port number	502
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Storage	16 Gb
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File format	CSV
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Technical Specifications

Connection terminals

BR7MN2-02 / BR7F2-02

Dimensions

255 x 135 x 50 mm

Weight

635 g

We provide solutions for improvement of electrical energy generation, transmission and distribution efficiency, quality and reliability. With a highly specialized and experienced team in research, development and innovation, HVEX develops tailor-made solutions for Brazilian and foreign markets. Wide range of products with solutions focused on signal transduction, measurement, monitoring and protection.



Boosting the Innovation



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