



Single Phase Power Monitoring Meter

Nico 8108L/PL is a multi-channel energy metering equipment and is used to measure power in commercial buildings for multiple applications. High-integration design and LON interface enables you to network with various devices.

Accuracy in measuring energy can be achieved when calibrating with high-performance current transformer over the existing wiring.

Features:

- 8 Channel Single Phase Meter
- Active energy, Active power, Voltage RMS, Current RMS, Power factor and Line frequency measurement
- LON interface; twisted pair, 78KPS communication / Power Line: 5.6KPS communication
- Mini split-core current transformer wiring
- Power supply 85-265V AC

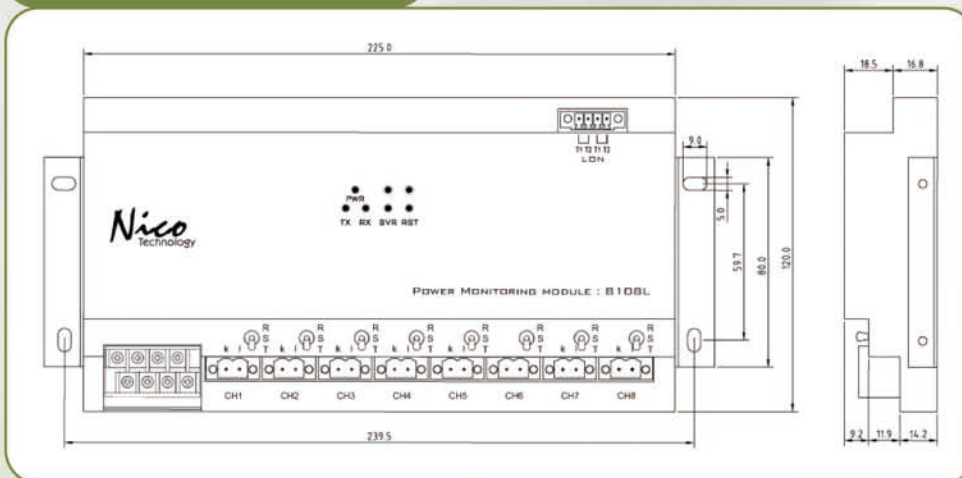
Accuracy:

- Active energy $\pm 3.0\% \text{ fs}$, $\cos\Phi=1$; $\pm 3.5\% \text{ fs}$, $\cos\Phi=0.5$ (fs: full scale)
- Active power $\pm 2.0\% \text{ fs}$, $\cos\Phi=0.5$ $\sim 1 \sim +0.5$
- Voltage, Current: $\pm 1\% \text{ fs}$ (50/60Hz)
- Power Factor: $\pm 3\% \text{ fs}$ ($\cos\Phi = -0.6 \sim 1.0 \sim +0.6$)
- Line Frequency: $\pm 1\%$ (45~65Hz)

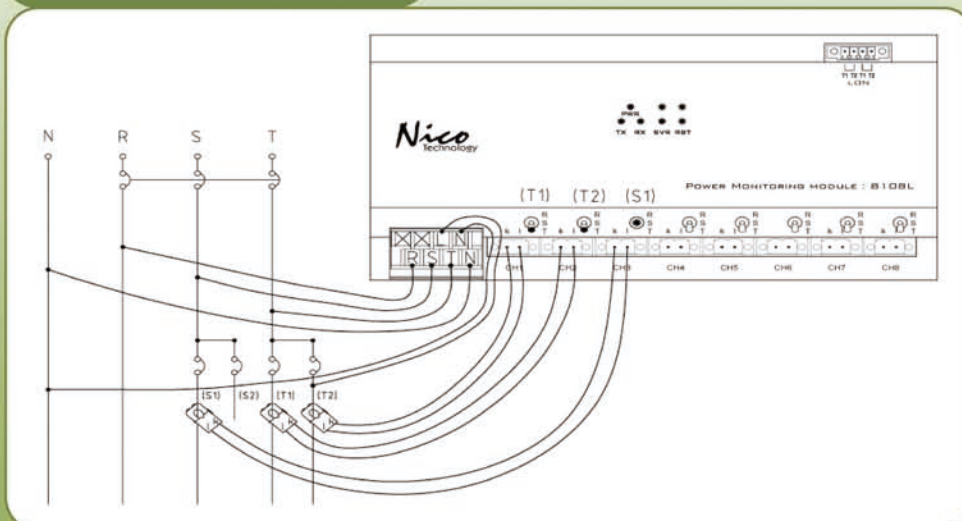
Measure: Input (Each Channel)

- RMS Voltage: 90- 250V AC
- RMS Current: 0.1 – 100A (CT Ratio: 3000 or more)
- Line Frequency: 45 -65 Hz
- Power Supply: 90- 250V AC(50/60Hz)
- Power Consumption: 5W Max
- Insulation Resistance: DC500V/100M Ω min, Terminal to metal enclosure.
- Electric Strength: AC 2000V/ min, Terminal to metal enclosure.
- Impulsive Noise: 1500V. 100ns/ 10ms 1 min at power input.

Certification: CE ; C-Tick



Reference Wiring Circuit



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