

ION7550 Modbus register show wrong data

The screenshot shows the Schneider Electric PowerLogic ION7550 web interface. The 'Monitoring' tab is active, displaying three columns of data: Voltage, Current, and Power. The Power section shows a total kW of 26945.35 kW, which is circled in red. Below this, phase kW values are listed: kW a: 8989.14 kW, kW b: 8974.86 kW, and kW c: 8981.34 kW. These phase values are circled in blue. A red arrow points from the circled total kW in the web browser to the Modbus software screenshot on the right. At the bottom, a metadata box shows: Owner, Tag 1, Tag 2, Device Time (2017-03-28 23:57:25 GMT -08:00), Meter Type (7550), Firmware Version (7550V401), Template (7550_FAC-61850_V3.6.0.0.0), and Serial Number (MI-1701A434-05).

View ION7550 data by Web Browser

The screenshot shows the Modbus software interface for station 61850. A table of registers is displayed with columns for Name, Data type, Value, Quality, and Timestamp. Register P204 is highlighted in blue and has a value of 551232. A red arrow points from this register to the circled total kW value in the web browser screenshot. Below the register table, a log window shows the following entries:

Time	Source	Content
29/03/2017 14:29:34.1357	@Station_61850	ATS @Station_61850 Administrator started
29/03/2017 14:29:35.5757	@Station_61850	Reading server information
29/03/2017 14:29:36.0198	@Station_61850	Reading licenses
29/03/2017 14:29:36.6368	@Station_61850	Reading channels

View ION7550 data by Modbus Software

ISSUE:

- + Phase kw is the same in two reading method but The total kw is different.
- + The Modbus register show wrong kw total.

NOTE:

- + In demo mode the reading data is the same for both method.
- + When connect network the reading data is different as shown above.