

Field 'errCode'

No Error if "0"

Field 'Read Seq'

Sequence number of read. Next read will always have a different sequence number from current read.

Data range: Zero to $2^{32} - 1$

(We use Unix Time for this:

http://www.onlineconversion.com/unix_time.htm

http://en.wikipedia.org/wiki/Unix_time

example 1331252684872 -- cut off last 3 digits for seconds, the last 3 digits are fractions of a second)

Field 'model'

Model number of meter.

Data range: Zero to $2^{16} - 1$

Field 'fwVer'

Firmware version of meter

Data range: Zero to $2^8 - 1$

Field 'PT'

Cumulative power over time measured by meter since last reset of cumulative data. Includes power measured in both directions through meter.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'T1_PT'

Cumulative power over time measured by meter since last reset of cumulative data, within user defined time period 1. Includes power measured in both directions through

meter.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

(Real-Time watts)

Field 'T2_PT'

Cumulative power over time measured by meter since last reset of cumulative data, within user defined time period 2. Includes power measured in both directions through meter.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'T3_PT'

Cumulative power over time measured by meter since last reset of cumulative data, within user defined time period 3. Includes power measured in both directions through meter.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'T4_PT'

Cumulative power over time measured by meter since last reset of cumulative data, within user defined time period 4. Includes power measured in both directions through meter.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'PT_rev'

Cumulative reverse power over time measured by meter since last reset of cumulative data.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'T1_PT_rev'

Cumulative reverse power over time measured by meter since last reset of cumulative data, within user defined time period 1.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'T2_PT_rev'

Cumulative reverse power over time measured by meter since last reset of cumulative data, within user defined time period 2.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'T3_PT_rev'

Cumulative reverse power over time measured by meter since last reset of cumulative data, within user defined time period 3.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'T4_PT_rev'

Cumulative reverse power over time measured by meter since last reset of cumulative data, within user defined time period 4.

Data range: Zero to 8 9's

Unit of measure: 100 W•hr

Field 'L1_V'

RMS voltage across line 1 and neutral, measured by meter at time of read.

Data range: Zero to 4 9's

Unit of measure: 0.1 V

Field 'L2_V'

RMS voltage across line 2 and neutral, measured by meter at time of read.

Data range: Zero to 4 9's

Unit of measure: 0.1 V

Field 'L3_V'

RMS voltage across line 3 and neutral, measured by meter at time of read.

Data range: Zero to 4 9's

Unit of measure: 0.1 V

Field 'L1_I'

RMS current flowing through line 1, measured by meter at time of read.

Data range: Zero to 5 9's

Unit of measure: 0.1 A

Field 'L2_I'

RMS current flowing through line 2, measured by meter at time of read.

Data range: Zero to 5 9's

Unit of measure: 0.1 A

Field 'L3_I'

RMS current flowing through line 3, measured by meter at time of read.

Data range: Zero to 5 9's

Unit of measure: 0.1 A

Field 'P'

Total RMS power flowing through meter, measured by meter at time of read.

Data range: Zero to 7 9's

Unit of measure: 1 W

Field 'L1_P'

RMS power flowing through line 1, measured by meter at time of read.

Data range: Zero to 7 9's

Unit of measure: 1 W

Field 'L2_P'

RMS power flowing through line 2, measured by meter at time of read.

Data range: Zero to 7 9's

Unit of measure: 1 W

Field 'L3_P'

RMS power flowing through line 3, measured by meter at time of read.

Data range: Zero to 7 9's

Unit of measure: 1 W

Field 'L1_PF'

Line 1 load power factor, measured by meter at time of read:

- Indicates an inductive power factor if less than 100. The power factor is equal to this value divided by 100.
- Indicates a capacitive power factor if greater than 100. The power factor is equal to 200 less this value, then divided by 100.
- Indicates a perfect power factor within measurement uncertainty if equal to 100.

Data range: Zero to 200

Field 'L2_PF'

Line 2 load power factor, measured by meter at time of read:

- Indicates an inductive power factor if less than 100. The power factor is equal to this value divided by 100.
- Indicates a capacitive power factor if greater than 100. The power factor is equal to 200 less this value, then divided by 100.

- Indicates a perfect power factor within measurement uncertainty if equal to 100.

Data range: Zero to 200

Field 'L3_PF'

Line 3 load power factor, measured by meter at time of read:

- Indicates an inductive power factor if less than 100. The power factor is equal to this value divided by 100.
- Indicates a capacitive power factor if greater than 100. The power factor is equal to 200 less this value, then divided by 100.
- Indicates a perfect power factor within measurement uncertainty if equal to 100.

Data range: Zero to 200

Field 'max_P'

The greatest average RMS power measured within a period defined by max_P_period, since the last reset of this data value.

Data range: Zero to 8 9's

Unit of measure: W

Field 'max_P_period'

Maximum power period:

- 15 minutes if set to one
- 30 minutes if set to two
- 60 minutes if set to three

Data range: One to three

Field 'CT_ratio'

Current transformer ratio

Data range: Zero to 4 9's

Unit of measure: A / 26.6 mA

Field 'P1_count'

Cumulative pulse count for pulse input 1 measured by meter since last reset of cumulative data. Pulse count increments when actual pulses counted by input reaches ratio.

Data range: Zero to 8 9's

Field 'P2_count'

Cumulative pulse count for pulse input 2 measured by meter since last reset of cumulative data. Pulse count increments when actual pulses counted by input reaches ratio.

Data range: Zero to 8 9's

Field 'P3_count'

Cumulative pulse count for pulse input 3 measured by meter since last reset of cumulative data. Pulse count increments when actual pulses counted by input reaches ratio.

Data range: Zero to 8 9's

Field 'P1_ratio'

Pulse count ratio for pulse input 1

Data range: Zero to 4 9's

Field 'P2_ratio'

Pulse count ratio for pulse input 2

Data range: Zero to 4 9's

Field 'P3_ratio'

Pulse count ratio for pulse input 3

Data range: Zero to 4 9's