

Appendix C Parameters for Data Monitoring and Logging
Measurement Specifications

Designation	Description
Power and PF with sign	
kW L1	kW L1
kW L2	kW L2
kW L3	kW L3
kvar L1	kvar L1
kvar L2	kvar L2
kvar L3	kvar L3
kVA L1	kVA L1
kVA L2	kVA L2
kVA L3	kVA L3
PF L1	Power factor L1
PF L2	Power factor L2
PF L3	Power factor L3
V12	V12 Voltage
V23	V23 Voltage
V31	V31 Voltage
AVR TOTAL	1-Second Total Values ¹
kW	Total kW
kvar	Total kvar
kVA	Total kVA
PF	Total PF
AVR AUX	1-Second Auxiliary Values ¹
V UNB%	Voltage unbalance ²
In	In (neutral) Current ³
FREQ	Frequency
DEMANDS	Present Demands ¹
V1 DMD	V1 Volt demand
V2 DMD	V2 Volt demand
V3 DMD	V3 Volt demand
I1 DMD	I1 Ampere demand
I2 DMD	I2 Ampere demand
I3 DMD	I3 Ampere demand
kW IMP SD	kW import sliding window demand
kvar IMP SD	kvar import sliding window demand
kVA IMP SD	kVA import sliding window demand
kW IMP ACC DMD	kW import accumulated demand
kvar IMP ACC DMD	kvar import accumulated demand
kVA IMP ACC DMD	kVA import accumulated demand
kW IMP PRD DMD	kW import predicted sliding window demand
kvar IMP PRD DMD	kvar import predicted sliding window demand
kVA IMP PRD DMD	kVA import predicted sliding window demand
kW EXP SD	kW Export sliding window demand
kvar EXP SD	kvar Export sliding window demand
kVA EXP SD	kVA Export sliding window demand
kW EXP ACC DMD	kW Export accumulated demand
kvar EXP ACC DMD	kvar Export accumulated demand

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Designation	Description
kVA EXP ACC DMD	kVA Export accumulated demand
kW EXP PRD DMD	kW Export predicted sliding window demand
kvar EXP PRD DMD	kvar Export predicted sliding window demand
kVA EXP PRD DMD	kVA Export predicted sliding window demand
SUMM ACC DMD	Summary (TOU Total) Accumulated Demands
SUM REG1 ACC DMD	Summary register #1 demand
SUM REG2 ACC DMD	Summary register #2 demand
SUM REG3 ACC DMD	Summary register #3 demand
SUM REG4 ACC DMD	Summary register #4 demand
SUM REG5 ACC DMD	Summary register #5 demand
SUM REG6 ACC DMD	Summary register #6 demand
SUM REG7 ACC DMD	Summary register #7 demand
SUM REG8 ACC DMD	Summary register #8 demand
SUMM SW DMD	Summary (TOU Total) Sliding Demands ¹
SUM REG1 SW DMD	Summary register #1 demand
SUM REG2 SW DMD	Summary register #2 demand
SUM REG3 SW DMD	Summary register #3 demand
SUM REG4 SW DMD	Summary register #4 demand
SUM REG5 SW DMD	Summary register #5 demand
SUM REG6 SW DMD	Summary register #6 demand
SUM REG7 SW DMD	Summary register #7 demand
SUM REG8 SW DMD	Summary register #8 demand
ENERGY	Submeter Energy ¹
kWh IMP	kWh import
kvarh IMP	kvarh import
kVAh IMP	kVAh import
kWh EXP	kWh export
kvarh EXP	kvarh export
kVAh EXP	kVAh export
KWh NET	KWh netto
Kvarh NET	Kvarh netto
KVAh TOT	KVAh total
SUMMARY REGS	Summary (TOU Total) Energy Registers ¹
SUM REG1	Summary energy register #1
SUM REG2	Summary energy register #2
SUM REG3	Summary energy register #3
SUM REG4	Summary energy register #4
SUM REG5	Summary energy register #5
SUM REG6	Summary energy register #6
SUM REG7	Summary energy register #7
SUM REG8	Summary energy register #8
MAX DMD	Maximum Demands
V1 DMD MAX	V1 Maximum volt demand
V2 DMD MAX	V2 Maximum volt demand
V3 DMD MAX	V3 Maximum volt demand
I1 DMD MAX	I1 Maximum ampere demand

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I2 DMD MAX	I2 Maximum ampere demand
I3 DMD MAX	I3 Maximum ampere demand
kW IMP SD MAX	Maximum kW import sliding window demand
kW EXP SD MAX	Maximum kW export sliding window demand
kvar IMP SD MAX	Maximum kvar import sliding window demand
kvar EXP SD MAX	Maximum kvar export sliding window demand
kVA IMP SD MAX	Maximum kVA import sliding window demand
kVA EXP SD MAX	Maximum kVA export sliding window demand
MAX SUMMARY DMD	Billing Summary (Total) Maximum Demands
REG1 MD	Summary register #1 maximum demand
REG2 MD	Summary register #2 maximum demand
...	...
REG8 MD	Summary register #8 maximum demand
REG1 CMD	Summary register #1 cumulative maximum demand
REG2 CMD	Summary register #2 cumulative maximum demand
...	...
REG8 CMD	Summary register #8 cumulative maximum demand
TOU PRMS	TOU Parameters
ACTIVE TARIFF	Active TOU tariff
ACTIVE PROFILE	Active TOU profile
TOU REG1	Billing TOU Energy Register #1
REG1 TRF1	Tariff #1 register
REG1 TRF2	Tariff #2 register
...	...
REG1 TRF8	Tariff #8 register
TOU REG2	Billing TOU Energy Register #2
REG2 TRF1	Tariff #1 register
REG2 TRF2	Tariff #2 register
...	...
REG2 TRF8	Tariff #8 register
TOU REG3	Billing TOU Energy Register #3
REG3 TRF1	Tariff #1 register
REG3 TRF2	Tariff #2 register
...	...
REG3 TRF8	Tariff #8 register
TOU REG4	Billing TOU Energy Register #4
REG4 TRF1	Tariff #1 register
REG4 TRF2	Tariff #2 register
...	...
REG4 TRF8	Tariff #8 register
TOU REG5	Billing TOU Energy Register #5
REG5 TRF1	Tariff #1 register
REG5 TRF2	Tariff #2 register
...	...
REG5 TRF8	Tariff #8 register
TOU REG6	Billing TOU Energy Register #6
REG6 TRF1	Tariff #1 register

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Designation	Description
REG6 TRF2	Tariff #2 register
...	...
REG6 TRF8	Tariff #8 register
TOU REG7	Billing TOU Energy Register #7
REG7 TRF1	Tariff #1 register
REG7 TRF2	Tariff #2 register
...	...
REG7 TRF8	Tariff #8 register
TOU REG8	Billing TOU Energy Register #8
REG8 TRF1	Tariff #1 register
REG8 TRF2	Tariff #2 register
...	...
REG8 TRF8	Tariff #8 register
TOU MAX DMD REG1	Billing TOU Maximum Demand Register #1
REG1 TRF1 MD	Tariff #1 maximum demand
REG1 TRF2 MD	Tariff #2 maximum demand
...	...
REG1 TRF8 MD	Tariff #8 maximum demand
REG1 TRF1 CMD	Tariff #1 cumulative maximum demand
REG1 TRF2 CMD	Tariff #2 cumulative maximum demand
...	...
REG1 TRF8 CMD	Tariff #8 cumulative maximum demand
TOU MAX DMD REG2	Billing TOU Maximum Demand Register #2
REG2 TRF1 MD	Tariff #1 maximum demand
REG2 TRF2 MD	Tariff #2 maximum demand
...	...
REG2 TRF8 MD	Tariff #8 maximum demand
REG2 TRF1 CMD	Tariff #1 cumulative maximum demand
REG2 TRF2 CMD	Tariff #2 cumulative maximum demand
...	...
REG2 TRF8 CMD	Tariff #8 cumulative maximum demand
TOU MAX DMD REG3	Billing TOU Maximum Demand Register #3
REG3 TRF1 MD	Tariff #1 maximum demand
REG3 TRF2 MD	Tariff #2 maximum demand
...	...
REG3 TRF8 MD	Tariff #8 maximum demand
REG3 TRF1 CMD	Tariff #1 cumulative maximum demand
REG3 TRF2 CMD	Tariff #2 cumulative maximum demand
...	...
REG3 TRF8 CMD	Tariff #8 cumulative maximum demand
TOU MAX DMD REG4	Billing TOU Maximum Demand Register #4
REG4 TRF1 MD	Tariff #1 maximum demand
REG4 TRF2 MD	Tariff #2 maximum demand
...	...
REG4 TRF8 MD	Tariff #8 maximum demand
REG4 TRF1 CMD	Tariff #1 cumulative maximum demand
REG4 TRF2 CMD	Tariff #2 cumulative maximum demand

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...	...
REG4 TRF8 CMD	Tariff #8 cumulative maximum demand
TOU MAX DMD REG5	Billing TOU Maximum Demand Register #5
REG5 TRF1 MD	Tariff #1 maximum demand
REG5 TRF2 MD	Tariff #2 maximum demand
...	...
REG5 TRF8 MD	Tariff #8 maximum demand
REG5 TRF1 CMD	Tariff #1 cumulative maximum demand
REG5 TRF2 CMD	Tariff #2 cumulative maximum demand
...	...
REG5 TRF8 CMD	Tariff #8 cumulative maximum demand
TOU MAX DMD REG6	Billing TOU Maximum Demand Register #6
REG6 TRF1 MD	Tariff #1 maximum demand
REG6 TRF2 MD	Tariff #2 maximum demand
...	...
REG6 TRF8 MD	Tariff #8 maximum demand
REG6 TRF1 CMD	Tariff #1 cumulative maximum demand
REG6 TRF2 CMD	Tariff #2 cumulative maximum demand
...	...
REG6 TRF8 CMD	Tariff #8 cumulative maximum demand
TOU MAX DMD REG7	Billing TOU Maximum Demand Register #7
REG7 TRF1 MD	Tariff #1 maximum demand
REG7 TRF2 MD	Tariff #2 maximum demand
...	...
REG7 TRF8 MD	Tariff #8 maximum demand
REG7 TRF1 CMD	Tariff #1 cumulative maximum demand
REG7 TRF2 CMD	Tariff #2 cumulative maximum demand
...	...
REG7 TRF8 CMD	Tariff #8 cumulative maximum demand
TOU MAX DMD REG8	Billing TOU Maximum Demand Register #8
REG8 TRF1 MD	Tariff #1 maximum demand
REG8 TRF2 MD	Tariff #2 maximum demand
...	...
REG8 TRF8 MD	Tariff #8 maximum demand
REG8 TRF1 CMD	Tariff #1 cumulative maximum demand
REG8 TRF2 CMD	Tariff #2 cumulative maximum demand
...	...
REG8 TRF8 CMD	Tariff #8 cumulative maximum demand
HARMONICS	1-second average 1
V1 THD	V1 Voltage THD
V2 THD	V2 Voltage THD
V3 THD	V3 Voltage THD
PULSE COUNTERS	Gas/Water billing 1
CNT1	Counter 1
.....	
CNT72	Counter 72