



Supported Commercial/Polyphase Meters

Honeywell A3

- Use **Metercat** to generate EER file with program changes
- Meter firmware v5.1+ required
- Four components are available for remote programming:
 - Load Profile Per phase voltage interval length
 - Instrumentation Profiling
 - Special Dates Demand reset, holidays, season changes, DST
 - Rates TOU day types, TOU times

Landis+Gyr S4x

- Use <u>1132Prog</u> to generate script file with program changes
- Meter firmware v8.2+ required
- Meter program adjustments and full meter programs are available for remote programming











Honeywell A3 – Cost Effective Meter



A3T

Measures and Calculates:

• kWh on a time-of-use (TOU) basis

For the A3T me	eter, the fo	llowing ba	se meter and	additional function	alities are	available:	
Meter type	kWh	TOU	Load Profile (2 Channels)	Instrumentation Profile (32 Channels)	PQM	Quantities	LP Channels
A3T	•	•				1	0
A3TQ	•	•			•	1	0
A3TL	•	•	•			1	2
A3TLQ	•	•	•		•	1	2
A3TLN	•	•	•	•		1	2
A3TLNQ	•	•	•	•	•	1	2



A3K

Measures and Calculates:

- kWh on a TOU basis
- Volt-ampere-hours (kVAh) and kVA on a TOU basis
- kVAh is measured and calculated arithmetically
- Volt-ampere-reactive-hours (kVARh) and kVAR on a TOU basis

For the A3K	meter, t	he followin	g base met	er and add	itional functionali	ties are av	ailable:	
Туре	kWh	kVARh	kVAh	TOU	Instrumentation Profile (32 Channels)	PQM	Quantities	Load Profile Channels
A3K	•	•	•	•			2	0
A3KQ	•	•	•	•		•	2	0
A3KL	•	•	•	•			2	8
A3KLQ	•	•	•	•		•	2	8
A3KLN	•	•	•	•	•		2	8
A3KLNQ	•	•	•	•	•	•	2	8
A3KA	•	•	•	•			6	0
A3KAQ	•	•	•	•		•	6	0
A3KAL	•	•	•	•			6	8
A3KALQ	•	•	•	•		•	6	8
A3KALN	•	•	•	•	•		6	8
A3KALNQ	•	•	•	•	•	•	6	8



A3R

Measures and Calculates:

- kWh on a TOU basis
- kVAh and kVA on a TOU basis
- kVAh is measured by vectorial calculation using Wh and VARh on a continuous integration basis
- kVARh and kVAR on a TOU basis

Туре	k₩h	kVARh	kVAh	тои	Transformer Loss Compensation	PQM	Instrumentat ion Profile (32	Quantitie s	Load Profile Channels
A3R								2	0
A3RQ								2	0
A3RC			•					2	0
A3RCQ								2	0
A3RL								2	8
A3RLQ								2	8
A3RLC			•		•			2	8
A3RLCQ			•					2	8
A3RLN			•				•	2	8
A3RLNQ			•				•	2	8
A3RLNC								2	8
A3RLNCQ								2	8
A3RA			•					6	0
A3RAQ								6	0
A3RAC								6	0
A3RACQ								6	0
A3RAL			•					6	8
A3RALQ			•					6	8
A3RALC								6	8
A3RALCQ								6	8
A3RALN			•					6	8
A3RALNQ		· •				·		6	8
A3RALNC					•		•	6	8
A3RALNC								6	8



© 2023 Eaton. All rights reserved.

A3 Quantities

Quantity	A3TL	A3KL	A3QL	A3RL
kWh delivered	•	•	•	•
kWh received	•	•	•	•
kWh sum	•	•	•	•
kWh net	•	•	•	•
kVAh delivered		•		•
kVAh received		•		•
kVAh sum		•		•
kVAh net		•		
kVAh Q1				•
kVAh Q2				•
kVAh Q3				•
kVAh Q4				•
kQh delivered			•	
kQh received			•	
kQh sum			•	
kVARh delivered				•
kVARh received				•
kVARh sum				•
kVARh net				•
kVARh Q1				•
kVARh Q2				•
kVARh Q3				•
kVARh Q4				•
kVARh (Q1 + Q4)		•		•
kVARh (Q2 + Q3)		•		•



Alpha Key – Upgrade

Alpha Keys

Alpha Keys software and hardware allows the A3 ALPHA meter to be upgraded so they provide additional functionality. Upgrading with Alpha Keys means that the meter does not have to be returned to the factory and new meters do not have to be purchased to gain functionality.

Table 2-12 shows the type of upgrades that can be performed with Alpha Keys.

Table 2-12. Meter type upgrades

Current meter type	Can be upgraded to
	A3T
A3D	A3K
	A3R
A3T	A3K
ASI	A3R
A3K	A3R
A3R	A3K



Honeywell – MeterCat Software



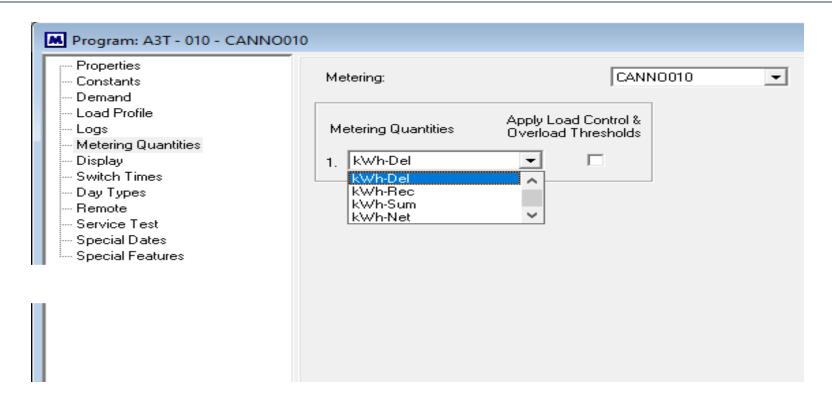
Metercat Overview



- A3T | A3K | A3R
- All are programmed with Metercat
- Basic Configuration
 Billing
- Solar | Net Metering
- TOU Metering

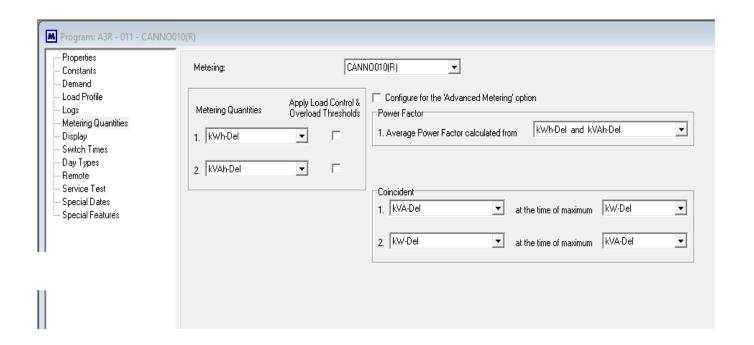


A3T Available Channels



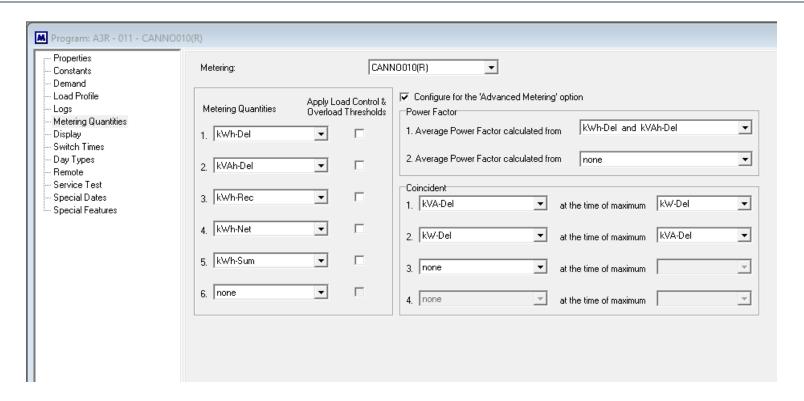


A3K & A3R Channels



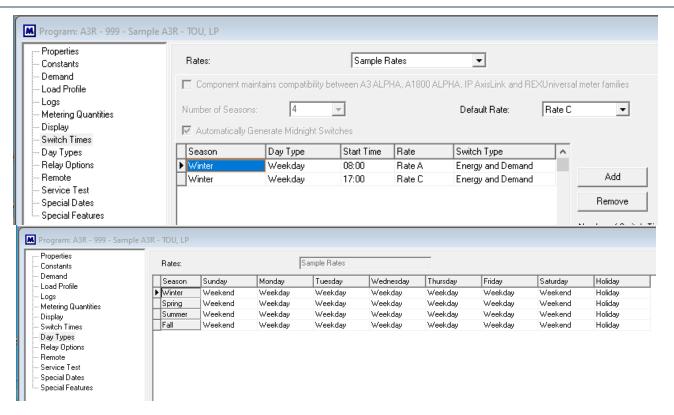


A3K & A3R Advance Channels





ALL A3 TOU Capabilities





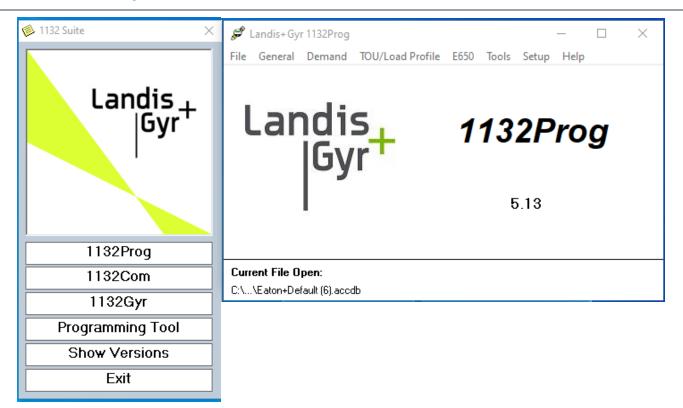




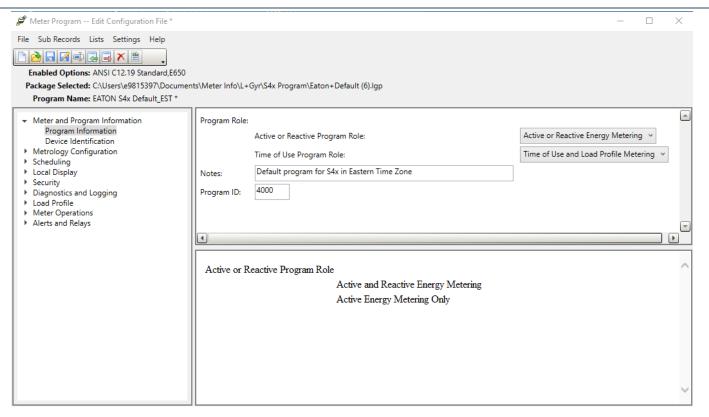
Landis+Gyr S4x: 1132 Software



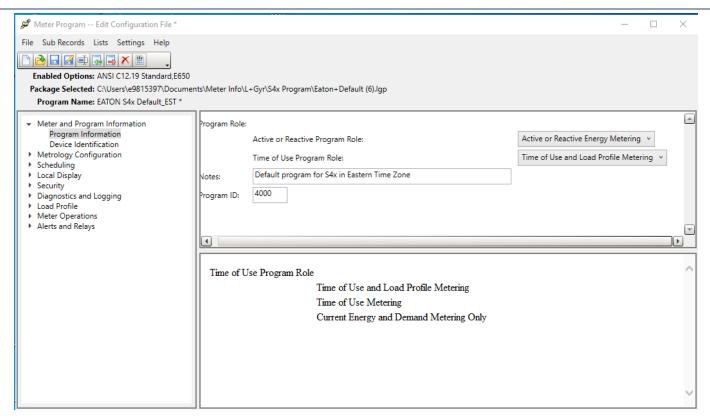
Landis+Gyr 1132 Overview



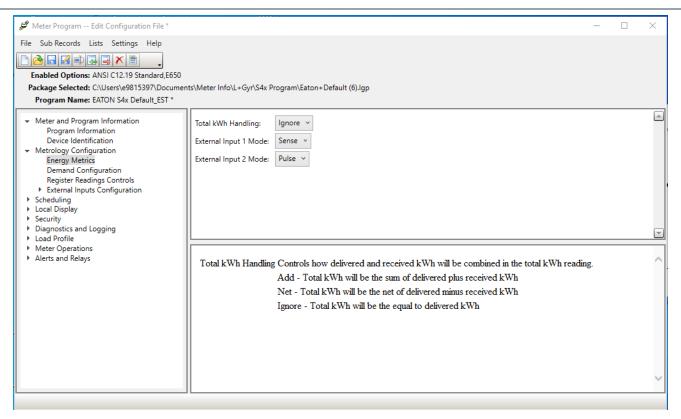




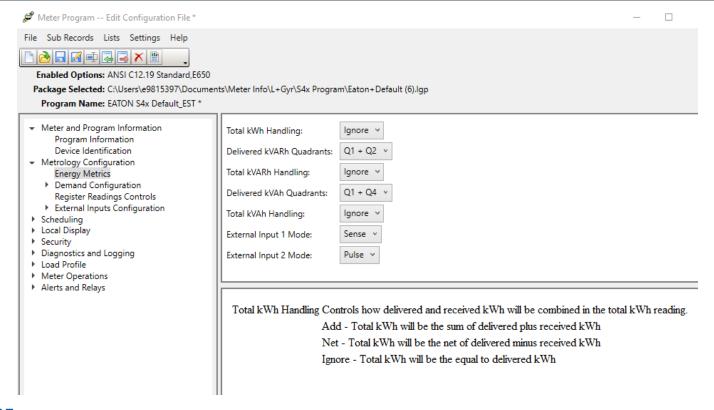




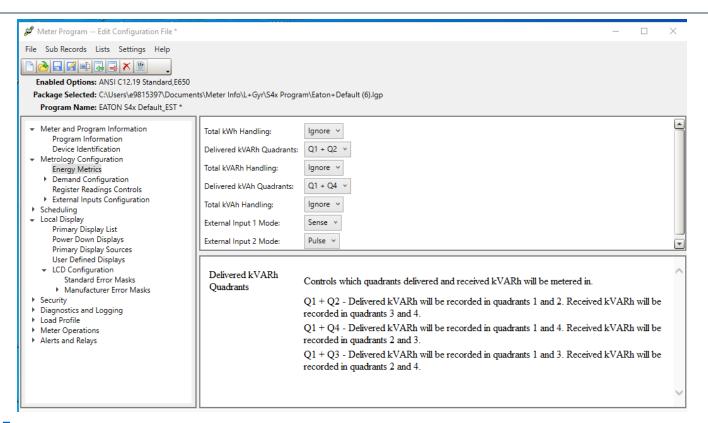




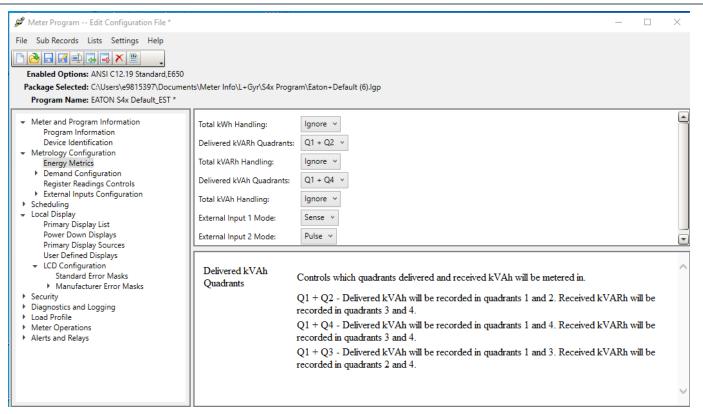








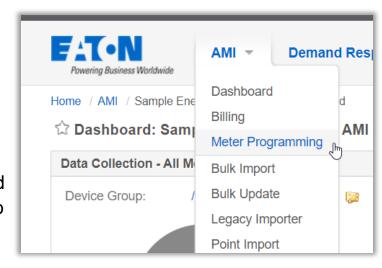






Remote/OTA Commercial Meter Programming

- Further reduce the need to visit meters in the field!
- Configure commercial AMI meters over the Eaton RF AMI communication network
- Useful for:
 - Time of Use (TOU) rate times and schedules, seasons, and holidays
 - The method of calculation for a metric, such as demand
 - Meter display behavior, including timing and registers to display
 - DST/Time Zone
 - (varies some by meter manufacturer)





Commercial Meters Under Evaluation

Itron CP3

 Replaces the Itron Sentinel polyphase meter, which was end-of-life'd December 2021



Honeywell A4

- Honeywell's next generation polyphase meter
- No soft keys All features enabled "out of the box"
- Honeywell will continue to support the A3 and the A4 meter







Eaton.com/WhatMatters