

Accuenergy DIN Power & Energy Meters

- Utility revenue grade accuracy
IEC 62053-22 0.5s Class / ANSI C12.20 0.5 Class
- Multiple CT input options
- 4 current inputs
- Residual current measurement available
- 10-690Vac direct voltage input
- Automatic 50/60Hz selection & wiring check
- RS-485 with Modbus-RTU
- Standard DIN-rail mount
- Energy pulse output and alarm output
- Optional relay output for alarm and remote control
- Tamper-proof design approved for revenue applications

The AcuRev 1310 Series of three-phase multi-circuit power and energy meters offer revenue grade accuracy and a wealth of other features. A built-in LCD display simplifies setup and local reading of meter data. The Modbus-RTU and pulse outputs allow seamless integration with data acquisition systems.

SPECIFICATIONS

Parameter	Accuracy	Resolution	Range
Active Energy	0.5%	1Wh	0-999999999
Reactive Energy	0.5%	1varh	0-999999999
Apparent Energy	0.5%	1VAh	0-999999999
Voltage	0.5%	0.1	10V-1000KV
Current	0.5%	0.001A	10mA-500000A
Active Power	0.5%	1W	-99 to 99MW
Reactive Power	0.5%	1var	-99 to 99Mvar
Apparent Power	0.5%	1VA	-99 to 99MVA
Power Factor	0.5%	0.001	-1.000 to 1.000
Frequency	0.2%	0.01Hz	50/60
Power Demand	0.5%	1W/var/VA	99MW/Mvar/MVA
Current Demand	0.5%	0.001A	10mA-5000A
System:	Three phase three wire (3P3W), three phase four wire (3P4W), single phase three wire (1P3W), single phase two wire (1P2W)		
Voltage Input:	Rated at 400Vac L-N, 690Vac L-L; 50/60Hz		
Input Impedance:	2MΩ/Phase		
Current Input:	5Aac/1Aac		
Start Current:	10mA		
Pulse Output:	Load 0-250Vac, 100mA (max)		
Isolation:	2500Vac		
Relay Output:	250Vac/30Vdc, 5A (resistive load)		
Isolation:	2000Vac (1min)		
Action Time:	10ms		
Communication:	RS485, Baud Rate 1200-34800		
Protocol:	Modbus-RTU		
Infrared:	Baud Rate 10ms, isolation 2000Vac (1min)		
Temperature:	-25 to 70°C operating		
Power Supply:	100-415Vac, 50/60Hz; 100-300Vdc		
Power Consumption:	<2W or 10VA		
Dimensions:	108 x 90 x 70 mm		

AcuRev 1314 does not support Rogowski coil input for neutral current.

AcuRev 



Digital
Meters

Feature	1311	1312	1313	1314
Bi-Directional Energy Measure			◆	◆
Active Energy	◆	◆	◆	◆
Reactive Energy		◆	◆	◆
Apparent Energy		◆	◆	◆
Time-of-Use		◆	◆	◆
Power Demand		◆	◆	◆
Peak Power Demand		◆	◆	◆
Predictive Demand		◆	◆	◆
Current Demand		◆	◆	◆
Peak Current Demand		◆	◆	◆
Voltage	◆	◆	◆	◆
Current	◆	◆	◆	◆
Neutral Current	Calculated	Calculated	Calculated	◆
Residual Current				Calculated
Active Power	◆	◆	◆	◆
Reactive Power		◆	◆	◆
Apparent Power		◆	◆	◆
Power Factor		◆	◆	◆
Frequency		◆	◆	◆
Clock		◆	◆	◆
Running Time	◆	◆	◆	◆
Energy Pulse Output	◆	◆	◆	◆
Relay Output (Alarm or Control)		◆	◆	◆
RS485 Modbus-RTU		◆	◆	◆
Wiring Check	◆	◆	◆	◆
Temperature	◆	◆	◆	◆
SunSpec	◆	◆	◆	◆

ORDERING INFORMATION

To Order—Insert Code for Each Letter to Select Catalog Number.

AcuRev A - B - C Order Example: AcuRev1311-5A-X1

A	Model
1311	Active Power & Energy Meter
1312	Active/Reactive Power & Energy Meter
1313	Bi-Directional Power & Energy Meter
1314	Bi-Directional Power & Energy Meter w/ residual current
B	Current Input
5A	Field configurable CT
333	333mV input CT
RCT	Rogowski coil CT
mA	80/100/200mA input CT
C	I/O
X0	No additional I/O
X1	Relay output