sifam tinsley
PRECISION INSTRUMENTATION

DATASHEET

Issue 1.0

Multifunction Meters

Transducers & Isolators

Temperature Controllers

Converters & Recorders

Digital Panel Meters

Current Transformers

Analogue Panel Meters

Shunts

Digital Multimeters

Clamp Meters

Insulation Testers

AP15-3CO-BI
DIN RAIL POWER METER

Features

- Class 1 Accuracy
- Dual Pulsed Output
- 4 Module Dinrail Mounted (35mm)
- CT Operated

SUBJECT TO CHANGE WITHOUT NOTICE
This manual superseded all previous versions – please keep for future reference

AP153CO-BI

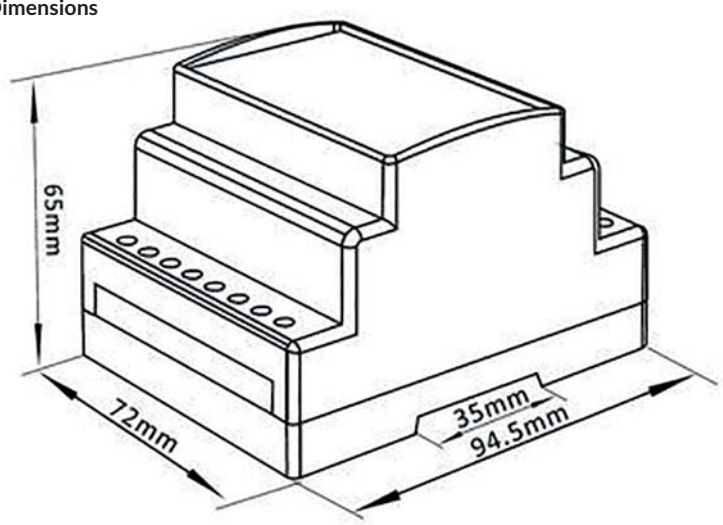
Features

- Class 1 Accuracy
- Dual Pulsed Output
- 4 Module Dinrail Mounted (35mm)
- CT Operated

Sifam Tinsleys AP15-3CO-BI series is digital three phase 4 wire energy meter with a white back-lighted LCD screen for perfect reading. It provides an economical solution for active energy and active power measurement in three phase applications. It is high accurate, durable and reliable. AP15-3CO-BI provides a separate register for resettable energy, which allows use to monitor the energy consumption happens in a certain period. AP15-3CO-BI measures both import and export energy, is an ideal product for bi-directional applications..

The AP15-3CO-BI measures and displays Total Active Energy of a three phase circuit. The unit has a built in pulsed output as well for remote monitoring.

Dimensions



Safety Instructions

The following safety instructions apply to all versions of the AP15-3CO-BI range of power meters:

Information for your own safety
necessitate further measures. However, it does contain information which must be read for your personal safety and to avoid material damages. This information is highlighted by a warning triangle and is represented as follows, depending on the degree of potential danger.

Qualified personnel

Operation of the equipment described in this manual may only be performed by qualified personnel. Qualified personnel means a person who has been authorised to commission, start up, ground and label devices, systems and circuits according to Safety and Regulatory standards.

Use for the intended purpose

The equipment must only be used for the application specified in the datasheet and the user manual.

Proper handling

The prerequisites for areliable operation of the product are proper transport, storage, installation and assembly, as well as proper operation and maintenance. When operating electrical equipment, certain parts of the equipment automatically carry dangerous voltages. Improper handling can therefore result in serious injuries or material damage. Use only insulating tools.

Do not connect while circuit is live (hot). Place the meter only in dry surroundings. Do not mount the meter in an explosive area or expose the meter to dust, mildew and insects. Make sure the used wires are suitable for the maximum current of this meter. Make sure the AC wires are connected correctly before activating the current/voltage to the meter. Do not touch the meter connecting clamps directly with your bare hands, with metal, blank wire or other material as you may get an electrical shock.

Make sure the protection cover is placed after installation. Installation, maintenance and reparation should only be done by qualified personnel. Never break the seals and open the front cover as this might influence the functionality of the meter, and will avoid any warranty. Do not drop, or allow physical impact to the meter as there are high precision components inside that may break.

AP15-3CO-BI Digital Power Meter - Three Phase

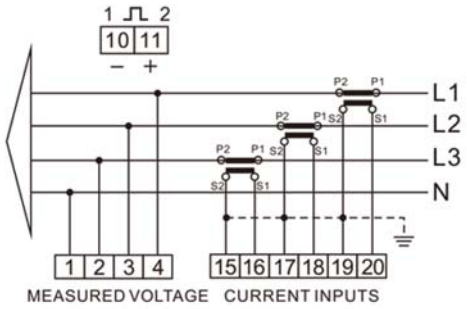
Measured Parameters

The AP15-3CO-BI monitors and displays Total Active Energy (kWh) of a three phase four wire (3p4w) system.

Technical Data

Operating Humidity	≤ 75%
Storage Humidity	≤ 95%
Operating Temperature	-20°C - +50°C
Storage Temperature	-30°C - +70°C
International Standard	IEC 62053-21
Accuracy Class	1
Mounting	DIN rail (DIN 43880)
Sealing	IP51 Indoor
Nominal Voltage Input	(Ph+N) 100 to 289V (Ph+Ph) 173 to-500V
Max Continuous Voltage	120% of nominal
AC Voltage Withstand	4KV for 1 minute
Impulse Voltage Withstand	6KV-1.2μS
Nominal Input Current	0.25-5A(6)A AC rms
Max Continuous Current	120% of nominal
Nominal Input Current Burden	0.5VA
Frequency	50Hz/60Hz (±10%)
Power Consumption	≤ 2W/10VA/phase
Pulsed Output	1000imp/kWh

Wiring Diagram



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