



POWER UP!

**A210 multifunction
power meter**

A210
96 mm

A210

46

0

A210

The A210 power meter – The brighter choice



Housing	Flame-retardant ABS
Front panel dimensions	96 x 96 mm
Installation depth	46 mm
Front panel protection	IP 65
Terminals	Cage clamp terminals, current and voltage inputs with screw terminals
Inputs	Phase-to-phase: 0 - 500 V phase-to-neutral: 0 - 290 V frequency: 45 - 65 Hz current: 0 - 5 A, electrically isolated
Error limits	0.5% for U and I, 1% for power
Auxiliary power	85 - 253 V AC / DC, 20 - 60 V AC / DC, 45 - 450 Hz
Outputs	2 digital outputs as pulse outputs or limit values
Interfaces	Plug-in interface module: RS 485 MODBUS
Data storage	Plug-in data logger for load profiles

Efficiently and Economically

The A210 measures all variable power quantities in a 3-phase system, replacing a multitude of analog indicators and their associated power transducers. With its minimal installation depth of only 46 mm, it can be installed in practically any control cabinet door.

Modular Expansion

You have the basic variant but now you need to store or transmit acquired values. No problem.

Just plug in an RS 485 interface module at the back of the instrument and you're ready to transmit data, for example via MODBUS. The data logger module stores your load profiles. The instrument need not be opened.

Measuring via all 4 Quadrants

Current, voltage, active, reactive and apparent power, power factor, power intervals, frequency, neutral conductor current, active and reactive energy.

Monitoring

For example, two digital outputs can be used to indicate violation of a freely programmable limit value. OR logic is utilized for the user-selected measured quantity, allowing for monitoring of all three voltages with a single output.

Counting

Both outputs can be used as pulse outputs as well, and energy values can thus be easily managed.

Communications

Data are transmitted via RS485 (e.g. using MODBUS protocol) by means of a plug-in interface module.

Recording

The data logger module with RS485 interface records load profiles for up to two months.

Your Advantages

- **Cost Savings**
One A210 replaces a multitude of analog instruments and their associated power transducers. You reduce planning, documentation and installation costs.
- **Outstanding Visibility**
High-contrast 14 mm LED displays assure exceptional legibility in poor light and at acute angles.
- **Modular Design**
The basic variant can be upgraded with communications capabilities or can be retrofitted with data storage – without opening the instrument.
- **Safety and Security**
Device configuration and meter readings can be locked with switches at the back of the instrument.

GMC-Instruments (UK) Ltd.
Priest House, Priest Street
GB-Cradley Heath B64 6JN
Phone: +44 (1) 384 63 8822
Fax: +44 (1) 384 63 9168
E-mail: info@uk.gmc-instruments.com
Internet: www.gmc-instruments.com