POWER MEASUREMENT 3720-ACM

Complete Product Information

Power Measurement 3720-ACM is a 3720 ACM digital power instrument for electrical measurements, demand monitoring and power-quality analysis.

01 Product role and installed system

The 3720 ACM platform measures electrical quantities and records energy and demand for industrial power-monitoring applications. Voltage and current scaling must reflect the installed CT/PT arrangement.

Its power-quality functions include harmonic analysis and waveform capture or recording. Setpoint actions and log functions are configured for the application rather than inferred from the bare 3720-ACM reference.

The rear-panel label identifies the fitted supply option. The basic and P24/48 supplies have different ranges. Communications likewise depend on the fitted ISOCOM, MPCC or MPE hardware.

Commissioning requires verification of safe isolation, supply option, measurement wiring, CT/PT ratios, communications card and firmware before accepting readings and alarms.

Instrument family	3720 ACM advanced digital power instrumentation
Measurements	Voltage, current, real/reactive/apparent power, frequency and power factor
Energy and demand	Energy registers and demand measurements
Power-quality functions	Harmonic analysis and waveform capture/recording

02 Technical capability map

Instrument family	3720 ACM advanced digital power instrumentation
Measurements	Voltage, current, real/reactive/apparent power, frequency and power factor
Energy and demand	Energy registers and demand measurements
Power-quality functions	Harmonic analysis and waveform capture/recording
Setpoint functions	High-speed and standard setpoints
Field setup	Front-panel programming and diagnostic display
Basic supply design	100-240 V AC or 110-300 V DC; verify rear label
Optional supply design	P24/48: 20-60 V DC; only when fitted
Communication options	Optional cards include serial and Ethernet interfaces; inspect installed card

Scope of the published data

3720 ACM platform capabilities are documented; supply, communications and voltage-input options require the actual rear-label and fitted-card identification.

03 Application and commissioning map

Applications

Electrical monitoring

Use the 3720 ACM measurement set for voltage, current, power, energy and demand review.

Power quality

Use harmonic and waveform functions only with the installed firmware and recording setup.

Supervision

Setpoints and communications support system monitoring when configured for the fitted hardware.

Meter replacement

Transfer only verified CT/PT ratios, wiring mode, setpoint values and supported communication settings into the replacement configuration.

Product precautions

Electrical safety

Isolate measured circuits and control supply before wiring; treat CT and PT circuits under the site procedure.

Option identification

Record the rear label and installed communications card before applying option-specific settings.

Verification

Compare live readings and setpoint responses with known circuit conditions before release.

Scaling

Record CT/PT ratios and voltage mode before changing the meter.

Communications

Verify the fitted card and serial or Ethernet settings rather than assuming an option is present.

Diagnostics

Check displayed measurements, alarm states and logs after wiring and setup.

04 Model-specific engineering questions

Which electrical values can 3720-ACM monitor?

The 3720 ACM family measures voltage, current, power, frequency, power factor, energy and demand; applicable wiring and setup determine the displayed values.

Does 3720-ACM include waveform and harmonic functions?

The 3720 ACM platform supports harmonic analysis plus waveform capture and recording. Verify firmware and installed configuration for the intended function.

How is the supply option identified on 3720-ACM?

Read the rear-panel label. The basic supply and P24/48 optional supply have different input ranges.

Does the 3720 ACM family give 3720-ACM an Ethernet port by default?

No. Ethernet belongs to the optional MPE communications card; inspect the fitted communication hardware.

What is the role of setpoints on 3720-ACM?

The 3720 ACM uses high-speed and standard setpoints to monitor configured measurement conditions and trigger the selected response.

How are measurement scaling values set on 3720-ACM?

Use the front-panel programming mode to set voltage and current scales and the applicable wiring mode for the installed transformers.

What must be checked before wiring 3720-ACM to a power circuit?

Confirm the rear-label supply option, system voltage, CT/PT ratios, protective isolation and the terminal assignment in the installation manual.

Which communication protocol can 3720-ACM use?

Protocol support depends on the installed communication card and firmware; the optional ISOCOM2 arrangement supports PML and Modbus.

05 Lifecycle, offered unit and sources

Lifecycle status

3720-ACM: A current manufacturing phase for the complete offered reference is not established.

Support and replacement: Confirm firmware, communication-card option and replacement guidance against the complete rear-panel marking.

Availability: Apter Power quotation availability is separate from manufacturer lifecycle and software support.

Available unit details

Offered reference: Power Measurement 3720-ACM. Condition: New, original product.

Identity check: 3720 ACM platform capabilities are documented; supply, communications and voltage-input options require the actual rear-label and fitted-card identification.

Included items: Confirm the meter, communication card, terminal accessories and firmware in the quotation.

Technical reference

Power Measurement 3720 ACM Installation and Operation Manual, MRP 70000-0004

Related catalog references

Portfolio navigation only. Verify every proposed configuration separately.

- **General Electric UR8MH**
- **Siemens 6ES7331-7KF02-0AB0**
- **Honeywell TC-IAH161**

Discuss the complete reference

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