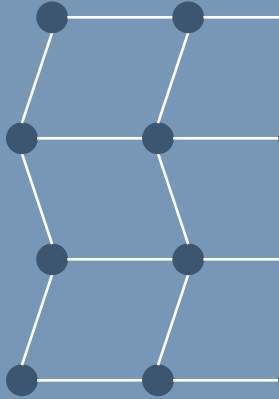


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMASI03

IMASI03 Evidence-Bounded Product Information Manual

ABB IMASI03 Universal Analog Input Slave Module



DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB IMASI03
Reference number	IMASI03
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/imasi03>

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Workflow and system context

ABB IMASI03 is an INFI 90 Universal Analog Input Slave Module designed to acquire up to 16 field inputs. The instruction describes programmable conversion resolution from 16 through 24 bits, channel isolation, and open-input detection.

01	Input Classes: 4-20 mA current; High-level DC voltage; Millivolt; Thermocouple types E, J, K, L, N, R, S, T, U, Chinese E, and Chinese S as documented; Three-wire 10-ohm, 100-ohm, 120-ohm, and 53-ohm RTD characteristics as documented
02	Processing: Programmable 16-to-24-bit conversion; Channel isolation; Open-input detection; Slave-expander-bus transfer to the multifunction processor
03	Held Claims: Do not claim direct compatibility with modern controllers without an ABB migration design.; Do not call IMASI03 a drop-in replacement; ABB identifies modifications.; Do not infer SPASI23 power, accuracy, or temperature data for IMASI03.

Published context and boundaries

01	Lifecycle evidence boundary: FORMAL_ABB_LIFECYCLE_PHASE_HOLD
02	Verify exact IMASI03 identity, assembly revision, multifunction processor, rack slot, and slave address before work.
03	Back up all channel types, ranges, resolution, scaling, alarm, calibration, and controller configuration values.

Verification and release checks

01	Verify exact IMASI03 identity, assembly revision, multifunction processor, rack slot, and slave address before work.
02	Back up all channel types, ranges, resolution, scaling, alarm, calibration, and controller configuration values.
03	Confirm whether field wiring uses NTAI06 or two NIAI05 modules; do not mix termination topologies.
04	Check loop polarity, sensor curve, thermocouple extension wire, RTD lead arrangement, grounding, shielding, and isolation.
05	Use ABB electrostatic-discharge controls and approved powered-equipment service procedures with process safeguards in place.
06	Apply every ABB modification required when replacing IMASI03 with IMASI13; never treat the change as a blind drop-in.

Identity and release controls

Verification Status	OFFICIAL_IDENTITY_VERIFIED
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Official ABB sources

Universal Analog Input Slave Module IMASI03 Instruction	https://search.abb.com/library/Download.aspx?DocumentID=I-E96-301B&LanguageCode=en&DocumentPartId=&Action=Launch
IMASI13 Analog Input Module Instruction	https://search.abb.com/library/Download.aspx?DocumentID=WPPEUI240766B0&LanguageCode=en&DocumentPartId=&Action=Launch
Symphony Plus Product Catalog, Revision G	https://library.e.abb.com/public/67f6b20f64d0443da36258e62a597791/2VAA005340%20en%20G%20Symphony%20Plus%20Product%20Catalog.pdf
ABB Repair-a-thon Qualifying Repairs List	https://library.e.abb.com/public/a3b4957be8ab48d98f29473a85a2f0d6/ABB%20Repair-a-thon%20qualifying%20repairs%20list.pdf