

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMASI13

IMASI13 Evidence-Bounded Product Information Manual

ABB IMASI13 Analog input module

DOCUMENT SCOPE

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

Product / lookup identity	ABB IMASI13
Reference number	IMASI13
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/imasi13>
Apter Power contact

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Workflow and system context

ABB IMASI13 is a 16-channel analog input module for the INFI 90/Harmony rack I/O architecture. ABB documents 24-bit analog-to-digital conversion, channel isolation, open-input detection, automatic factory calibration and recalibration, engineering-unit conversion, and temperature-measurement compensation functions.

01	Input Classes: 4–20 mA and other instruction-defined current use; High-level DC voltage; Millivolt; Thermocouple; RTD
02	Processing: 24-bit A/D conversion; Independent channel type and resolution selection; Channel isolation and open-input detection; Automatic factory calibration and recalibration; Engineering-unit conversion; Cold-junction and lead-wire compensation where applicable
03	Held Claims: Do not infer every SPASI23 catalog range for IMASI13 without the IMASI13 instruction table.; Do not claim HART capability.; Do not treat NTB MJ2 as a universal termination for every IMASI13 signal type.

Published context and boundaries

01	Lifecycle evidence boundary: FORMAL_ABB_LIFECYCLE_PHASE_HOLD
02	Confirm the exact IMASI13 model, assembly revision, and rack location before any work.
03	Back up all function codes, channel types, ranges, scaling, calibration, alarm, and controller configuration data.

Verification and release checks

01	Confirm the exact IMASI13 model, assembly revision, and rack location before any work.
02	Back up all function codes, channel types, ranges, scaling, calibration, alarm, and controller configuration data.
03	Do not replace IMASI03 with IMASI13 without applying the modifications in the ABB instruction and validating power and configuration.
04	Verify whether the installation uses NTAI06 with NKAS cabling or the configuration-specific NTB MJ2 current-input topology; never interchange termination arrangements by assumption.
05	Check sensor type, loop polarity, grounding, shielding, isolation, and transmitter power before energization.
06	Apply ABB electrostatic-discharge controls and approved powered-rack service procedures while maintaining process safeguards.

Identity and release controls

Verification Status	OFFICIAL_IDENTITY_VERIFIED
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Official ABB sources

IMASI13 Analog Input Module Instruction	https://search.abb.com/library/Download.aspx?DocumentID=WBPEEU1240766B0&LanguageCode=en&DocumentPartId=&Action=Launch
Harmony Rack Mount Termination Devices Data Sheet	https://library.e.abb.com/public/970f33da260c82f5c1256d12005fbec0/WBPEEUD260001A1_-_en_Harmony_Rack_Mount_Termination_Devices_Data_Sheet.pdf
ABB Repair-a-thon Qualifying Repairs List	https://library.e.abb.com/public/a3b4957be8ab48d98f29473a85a2f0d6/ABB%20Repair-a-thon%20qualifying%20repairs%20list.pdf
Symphony Plus Product Catalog, Revision G	https://library.e.abb.com/public/67f6b20f64d0443da36258e62a597791/2VAA005340%20en%20G%20Symphony%20Plus%20Product%20Catalog.pdf