

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMASO11

IMASO11 Evidence-Bounded Product Information Manual

ABB IMASO11 Analog output module

DOCUMENT SCOPE

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

Product / lookup identity	ABB IMASO11
Reference number	IMASO11
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/imaso11>
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Workflow and system context

ABB IMASO11 is a Harmony rack analog output module with 14 independently configurable output channels. ABB documents 10-bit output conversion, output readback, and configurable output default-state behavior.

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|----|---|
| 01 | Processing: 10-bit digital-to-analog conversion; Output readback; Closed-loop output verification behavior described by ABB; Configurable output default states |
| 02 | Held Claims: Do not claim HART support.; Do not claim that readback proves movement or health of the final field device.; Do not transfer the verified 22-kilohm IMASO11 voltage-load value to SPASO11 without exact SPASO11 visual evidence. |

Published context and boundaries

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|----|---|
| 01 | Lifecycle evidence boundary: FORMAL_ABB_LIFECYCLE_PHASE_HOLD |
| 02 | Verify exact IMASO11 identity, assembly revision, rack slot, and configured output mode before work. |
| 03 | Back up function codes, ranges, scaling, default-state selections, alarm logic, and controller configuration. |

Verification and release checks

01	Verify exact IMASO11 identity, assembly revision, rack slot, and configured output mode before work.
02	Back up function codes, ranges, scaling, default-state selections, alarm logic, and controller configuration.
03	Confirm NTDI01, NIDI01, or NTBMA2 topology and its exact cable and terminal assignments from ABB and site drawings.
04	Respect the documented 750-ohm maximum current-loop load and 22-kilohm minimum voltage-load requirement for IMASO11.
05	Review safe output states and process consequences before removal, insertion, download, or controller restart.
06	Use ABB electrostatic-discharge controls and approved powered-rack service procedures; online replacement capability does not remove process hazards.

Identity and release controls

Verification Status	OFFICIAL_IDENTITY_VERIFIED
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Official ABB sources

IMASO11 Analog Output Module Instruction	https://search.abb.com/library/Download.aspx?DocumentID=WBPEEU1240757A0&LanguageCode=en&DocumentPartId=&Action=Launch
Harmony Rack Mount Termination Devices Data Sheet	https://library.e.abb.com/public/970f33da260c82f5c1256d12005fbec0/WBPEEU260001A1_-_en_Harmony_Rack_Mount_Termination_Devices_Data_Sheet.pdf
NTDI02 Digital I/O Termination Unit Instruction	https://search.abb.com/library/Download.aspx?DocumentID=WBPEEU1260050A0&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 Users Group – Harmony Rack I/O Evolution	https://library.e.abb.com/public/68e694fd1f5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchor%20Harmony.pdf