

IMAMM03

System Integration and Verification Reference

The Elsag Bailey IMAMM03 is a microprocessor-based INFI 90 Analog Master Module. It accepts and processes as many as 64 analog inputs through compatible analog slave modules.

Manufacturer	ABB / Elsag Bailey
Complete model	IMAMM03
Product description	INFI 90 Analog Master Module
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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IMAMM03

1. System role

The master coordinates slave-module scanning and performs engineering-unit conversion, polynomial adjustment, square-root conversion, thermocouple linearization, alarm/exception handling and trending functions. The slave module selected for each group defines the physical signal type.

What the product handles

High-level analog, thermocouple, millivolt or RTD inputs through IMASM01, IMASM02, IMASM03 or IMASM04 slave modules.

Required companion components

IMASM01/02/03/04 Analog Slave Modules, module bus, slave expander bus, module mounting unit and the applicable termination unit/module.

Where it is used

Process temperature, pressure, flow and other analog-measurement systems in INFI 90 distributed-control cabinets.

Pre-installation record

Parameter	Verified value
Identity	Record complete model IMAMM03 and every revision/suffix from the nameplate
Evidence	Retain the cited manufacturer PDF and site-approved drawings
Configuration	Back up the approved controller, network or module configuration
Connections	Label cables, terminals, module positions and field wiring
Commissioning	Define a point-by-point or communication verification plan

2. Installation and commissioning controls

Recommended verification sequence

Parameter	Verified value
1 - Identify	Match the full nameplate and physical construction
2 - Isolate	Follow site lockout, electrical-safety and ESD procedures
3 - Compare	Confirm companion hardware, cables, termination and revision compatibility
4 - Install	Use manufacturer mounting, grounding and environmental requirements
5 - Configure	Restore only the approved configuration and documented settings
6 - Test	Verify communications, diagnostics and every affected process function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- Match the slave-module type, range, cold-junction compensation and field wiring to the configured input definition.
- Do not wire a signal directly from an IMAMM03 description; use the specific slave and termination documentation.
- Back up configuration and validate each channel after master or slave replacement.

Manufacturer source PDFs

Manufacturer document	Direct PDF
Elsag Bailey I-E96-205A IMAMM03/IMASM instruction	Open PDF in a new window

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