APTER POWER PRODUCT MANUAL

IMAMM03

INFI 90 Analog Master Module

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
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1. Product overview and identity

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.

System function

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.

Verified technical information

Parameter	Verified value
Module type	Analog Master Module
Input capacity	Up to 64 analog inputs through slave modules
Conversion	16-bit A/D; 15-bit guaranteed linearity
IMASM01	16 high-level inputs: 4-20 mA and documented voltage ranges
IMASM02	8 isolated thermocouple / millivolt inputs
IMASM03	8 isolated 3-wire 100-ohm RTD inputs
IMASM04	8 isolated 3-wire 10-ohm copper RTD inputs
Processing	EU conversion, polynomial, square root, alarms and trending
Architecture	Module bus and slave expander bus

2. Integration and verification

Signals and data handled

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

Companion components

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

Common industrial applications

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

Product 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

Only information traceable to the cited ABB/Elsag Bailey documents is stated. Missing values are intentionally not inferred. Confirm the complete nameplate, revision, approvals, wiring and current manufacturer instructions before installation or replacement.