

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T9431

8 Channel Analogue Input Module

CHANNELS	SIGNAL TYPE	INPUT RANGE	PLATFORM
8	Analogue Input	0-24 mA DC	AADvance

T9431 is an AADvance analogue input module with 8 isolated current-input channels. It measures 0 to 24 mA and supplies digital state and analogue data to the processor, with configurable bands supporting field-device diagnostics and line monitoring.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T9431
Input channels	8
Nominal input current	4 to 20 mA DC
Maximum measurement range	0 to 24 mA DC
Module supply	Redundant nominal 24 V DC
Module power dissipation	3.3 W
Sample update interval	6 ms with no filter
Measurement resolution	0.98 microamp, 15-bit

02 TECHNICAL DATA

Calibrated accuracy	+/-0.05 mA at 25 degrees C
Channel isolation withstand	+/-1.5 kV DC for 1 minute
Self-test interval	Less than 1 hour; system dependent
Line monitoring	Configurable channel monitoring levels
HART support	Command 03
Compatible terminations	T9831/T9832/T9833
Module arrangement	Simplex, dual or TMR with matching terminations

03 APPLICATION AND CONFIGURATION

- Oil & Gas: Oil Production, Gas Processing and Petroleum Transportation Facilities.
- Chemical Processing: Chemical Manufacturing, Batch Processing and Industrial Formulation Facilities.
- Power Generation: Gas Turbine Generation and Combined Cycle Power Stations.

04 OFFICIAL DOCUMENTATION

[ICSTT-RM447N-EN-P | AADvance Solutions Handbook | February 2021](#)

Handbook PDF pp. 111-114: product specifications. Separate RM448 build manual: original installation and field-loop drawings.

[ICSTT-RM448N | AADvance System Build Manual | September 2024](#)

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM