

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8019

Process Control Algorithm Software

CONTENT	FORMS	PID OPTION	PLATFORM
Control algorithms	Functions / blocks	Incremental IPID	Trusted

T8019 supplies process control algorithms executed within the standard Trusted controller program. The package includes stateless functions and retentive function blocks for calculations, signal conditioning and loop regulation, originally intended primarily for limited process control duties on floating production facilities.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8019
Execution context	Part of the Trusted controller application program
Algorithm forms	Stateless functions and retentive function blocks
Integrity limitation	Basic control functions target SIL 1; not for SIL 3 program elements
Arithmetic and conversion	Square root, BCD conversion and real-value selection
Process corrections	Pressure-compensated drum level and corrected mass flow

02 TECHNICAL DATA

Signal conditioning	Scaling, clamping and signal selection
PID options	Legacy PID_II and incremental IPID
New-design PID recommendation	IPID in the cited manufacturer guide
Mode and tracking functions	Auto/manual operation and manual tracking
Rate-related functions	Time averaging and slew-rate limiting

03 APPLICATION AND CONFIGURATION

- Power Generation: Electricity Generation at Gas Fired and Combined Cycle Facilities.
- Oil & Gas: Petroleum Extraction, Gas Treatment and Hydrocarbon Processing Facilities.
- Chemical Processing: Bulk Chemical Manufacturing and Specialty Product Production Areas.

04 OFFICIAL DOCUMENTATION

[ICSTT-RM246 | PD-T8019 Issue 9, June 2016 | Release 3.6.1 guide](#)

PD-T8019 PDF p. 1: function integrity limitation; pp. 23-25: PID and IPID behavior; pp. 33-36: example logic and implementation notes. Use complete function definitions.

[ICSTT-CT021R | Trusted software certificate | exact listed releases only](#)

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

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