

INDUSTRIAL AUTOMATION PRODUCT

MC-TAIH22

Enhanced High-Level Analog Input FTA

Honeywell MC-TAIH22 is a coated 16-channel enhanced high-level analog-input FTA for connecting process transmitters to PM I/O.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion PM I/O
Part number	51204170-250
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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MC-TAIH22

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Input channels	16
Terminal type	Compression
FTA size	B
Input functions	High-level analog; smart transmitter input
Coating	Conformal

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System Role and Architecture

Honeywell MC-TAIH22 is a coated 16-channel enhanced high-level analog-input FTA for connecting process transmitters to PM I/O.

FUNCTION 1

Terminates sixteen high-level analog inputs

FUNCTION 2

Accepts smart-transmitter field circuits

FUNCTION 3

Uses compression field terminals

FUNCTION 4

Interfaces the enhanced analog-input processor

Matched system components

- Enhanced analog-input processor
- PM I/O cable assembly
- Two-wire process transmitters
- Size-B FTA mounting

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Applications and Engineering Context

Pressure transmitter marshalling

Terminates sixteen high-level analog inputs

Temperature transmitter inputs

Accepts smart-transmitter field circuits

Flow measurement cabinets

Uses compression field terminals

Process-unit analog acquisition

Interfaces the enhanced analog-input processor

TECHNICAL NOTE

Maintain loop polarity, shield treatment and the documented processor-to-FTA cable assignment when commissioning the sixteen input channels.

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5 Engineering Precautions

- 1 Verify the complete MC-TAIH22 marking and its assigned Experion PM I/O position before work.
- 2 Isolate the applicable power and field energy before disconnecting MC-TAIH22.
- 3 Protect MC-TAIH22 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match Enhanced analog-input processor and PM I/O cable assembly to the documented system arrangement.
- 6 Commission MC-TAIH22 with controlled status, signal and diagnostic checks.
- 7 Retain the final pressure transmitter marshalling functional-test result in the maintenance record.

MANUFACTURER SOURCE RECORD

Honeywell Experion Control Hardware Planning Guide

EP-DOC-X175

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