

APTER POWER ENGINEERING REFERENCE

MC-TAIH04

HART High-Level Analog Input FTA

The MC-TAIH04 is a 16-channel HART high-level analog input FTA that terminates smart transmitter loops and passes their process current and HART communication to Experion PM I/O.

Parameter	Technical value
Manufacturer	Honeywell
Product model	MC-TAIH04
Part number	51305900-175
System family	Experion PM I/O
Document	Product Technical Reference
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

One verified model, one engineered configuration path.

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SCAN FOR PRODUCT & QUOTE

MC-TAIH04

1. Product Identity and System Role

The MC-TAIH04 is a 16-channel HART high-level analog input FTA that terminates smart transmitter loops and passes their process current and HART communication to Experion PM I/O.

System role

- Marshals HART transmitter loops at the cabinet edge
- Connects field analog channels to the HLAIHART processor
- Carries primary process values and HART device communication
- Supports single or redundant PM I/O processor arrangements

Matched components

- HLAIHART input/output processor
- PM I/O rack and power system
- HART-capable two-wire transmitters
- FTA cable and compression-terminal wiring

2. Technical Specifications

Parameter	Technical value
FTA type	HLAIHART
Model	MC-TAIH04
Part number	51305900-175
Terminal type	Compression
Channels	16
Mounting size	A
Compatible IOP	HLAIHART
Redundancy	Supported
Compliance	CE
Country	USA
HS code	8537101190

3. Functions, Applications and Components

Core functions

- Marshals HART transmitter loops at the cabinet edge
- Connects field analog channels to the HLAIHART processor
- Carries primary process values and HART device communication
- Supports single or redundant PM I/O processor arrangements

Industrial applications

- Smart pressure transmitter inputs
- HART temperature transmitter cabinets
- Flow and level measurement marshalling
- Refinery and chemical-unit process I/O

Compatible system components

- HLAIHART input/output processor
- PM I/O rack and power system
- HART-capable two-wire transmitters
- FTA cable and compression-terminal wiring

4. Engineering Precautions and Source

Product precautions

- Confirm channel polarity before landing transmitter loops.
- Keep shield treatment consistent with the cabinet grounding design.
- Match the FTA cable to the HLAIHART processor position.
- Test HART communication and analog scaling for each channel.

Manufacturer source

Honeywell Experion Control Hardware Planning Guide
R301.1

RETURN-TO-SERVICE CHECK

Confirm model MC-TAIH04, cabinet wiring, control-system channel assignment and the intended field response before releasing the equipment for production.