

APTER POWER ENGINEERING REFERENCE

MC-TAOY25

HART Analog Output FTA

The MC-TAOY25 is a 16-channel HART analog-output FTA that routes Honeywell AO16HART control signals and device communication to field positioners and actuators.

Parameter	Technical value
Manufacturer	Honeywell
Product model	MC-TAOY25
Part number	51305865-275
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-TAOY25

1. Product Identity and System Role

The MC-TAOY25 is a 16-channel HART analog-output FTA that routes Honeywell AO16HART control signals and device communication to field positioners and actuators.

System role

- Marshals analog control outputs to smart final elements
- Carries HART communication on output loops
- Connects sixteen field loops to the AO16HART processor
- Provides the cabinet boundary for control-valve and actuator wiring

Matched components

- AO16HART processor
- PM I/O rack and power hardware
- HART valve positioners or actuators
- FTA interconnect cable

2. Technical Specifications

Parameter	Technical value
FTA type	AO16HART
Model	MC-TAOY25
Part number	51305865-275
Terminal type	Compression
Output channels	16
Mounting size	B
Compatible IOP	AO16HART
Country	USA
HS code	8537101190

3. Functions, Applications and Components

Core functions

- Marshals analog control outputs to smart final elements
- Carries HART communication on output loops
- Connects sixteen field loops to the AO16HART processor
- Provides the cabinet boundary for control-valve and actuator wiring

Industrial applications

- Control-valve positioner outputs
- Variable-speed drive setpoint loops
- Damper actuator positioning
- Chemical dosing control

Compatible system components

- AO16HART processor
- PM I/O rack and power hardware
- HART valve positioners or actuators
- FTA interconnect cable

4. Engineering Precautions and Source

Product precautions

- Confirm each final element is in a safe state before loop energization.
- Check output-loop polarity and field power arrangement.
- Validate commanded direction at a low-risk operating point.
- Commission HART diagnostics separately from analog stroke tests.

Manufacturer source

Honeywell Experion Control Hardware Planning Guide
R301.1

RETURN-TO-SERVICE CHECK

Confirm model MC-TAOY25, cabinet wiring, control-system channel assignment and the intended field response before releasing the equipment for production.