

INDUSTRIAL AUTOMATION PRODUCT

TK-HAO081

Eight-Point Coated HART Analog Output Module

Honeywell TK-HAO081 is an eight-point conformally coated HART analog-output module. It delivers analog control commands and HART communication to compatible final elements.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion compact I/O
Part number	TK-HAO081
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Output points	8
Output function	HART analog output
Coating	Conformal

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Compatible compact I/O carrier
Companion hardware	HART output termination assembly
Field connection	Loop power and field wiring
Primary system function	Generates eight analog control outputs
Controlled acceptance duty	Smart control-valve positioning

3

System Role and Architecture

Honeywell TK-HAO081 is an eight-point conformally coated HART analog-output module. It delivers analog control commands and HART communication to compatible final elements.

FUNCTION 1

Generates eight analog control outputs

FUNCTION 2

Carries HART communication to compatible final elements

FUNCTION 3

Fits the compact I/O module arrangement

FUNCTION 4

Provides a coated assembly for industrial environments

Matched system components

- Compatible compact I/O carrier
- HART output termination assembly
- Loop power and field wiring
- HART-capable final elements

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Compatible compact I/O carrier
Companion hardware	HART output termination assembly
Field connection	Loop power and field wiring
Primary system function	Generates eight analog control outputs
Controlled acceptance duty	Smart control-valve positioning

4

Applications and Engineering Context

Smart control-valve positioning

Generates eight analog control outputs

HART drive-reference loops

Carries HART communication to compatible final elements

Intelligent damper control

Fits the compact I/O module arrangement

Final-element diagnostics

Provides a coated assembly for industrial environments

TECHNICAL NOTE

Secure the process in manual, confirm output-loop polarity and HART-capable termination, then stroke each channel under a limited command while reviewing device communication.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	TK-HAO081 / TK-HAO081 recorded
Physical interface	Compatible compact I/O carrier
Companion check	HART output termination assembly
Functional proof	Generates eight analog control outputs
Application test	Smart control-valve positioning

5

Engineering Precautions

1

Verify the complete TK-HAO081 marking and its assigned Experion compact I/O position before work.

2

Isolate the energy associated with Compatible compact I/O carrier before disconnecting TK-HAO081.

3

Protect the TK-HAO081 connectors and electronic assembly using approved ESD controls.

4

Record the as-found HART output termination assembly connections and configured assignment before replacement.

5

Confirm Loop power and field wiring matches the approved installation record for TK-HAO081.

6

Restore TK-HAO081 under controlled conditions and review its model-specific diagnostics.

7

Complete a documented functional test for smart control-valve positioning before release.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
MC-TDOR62	TPS relay-output field termination assembly	Open product page
MC-TPIX12	TPS pulse-input field termination assembly	Open product page
MC-TSIM12	TPS serial-interface field termination assembly	Open product page
MC-TAOY25	TPS analog-output field termination assembly	Open product page

MANUFACTURER SOURCE RECORD

Honeywell System HINTS November 2020

CIOM-A HART AO Module (8)pt coated

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



TK-HAO081