

MC-TSTX03-51309140-175

Smart Transmitter Interface with Compression Terminals

Honeywell MC-TSTX03-51309140-175 provides the documented field termination interface for Smart Transmitter devices in the High-Performance Process Manager planning context.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
Complete model	MC-TSTX03-51309140-175
CE-compliant part number	51309140-175
Interface type	Smart Transmitter Interface
Terminal style	Compression terminal
FTA classification	Standard FTA

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SCAN FOR PRODUCT & QUOTE

2 Technical Specifications

Values below are limited to the verified product-page record for the named Honeywell interface.

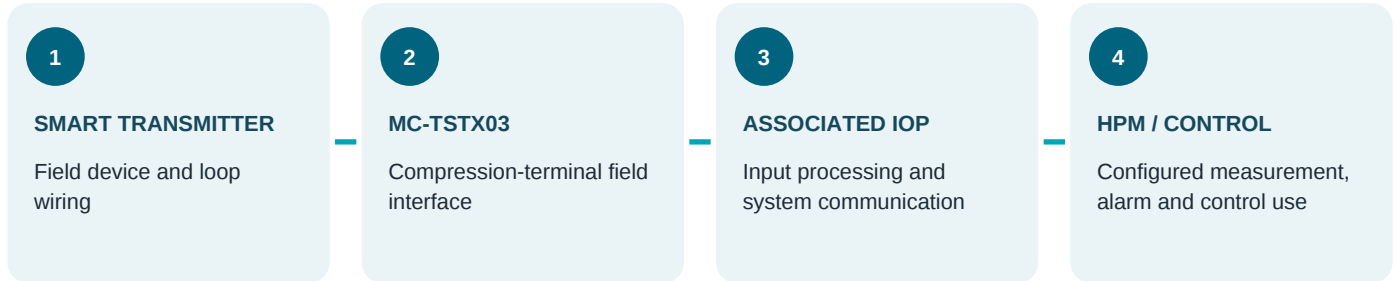
PARAMETER	TECHNICAL VALUE
Manufacturer	Honeywell
Complete model	MC-TSTX03-51309140-175
CE-compliant part number	51309140-175
Interface type	Smart Transmitter Interface
Terminal style	Compression terminal
FTA classification	Standard FTA
Input role	Smart Transmitter Interface Input
System context	High-Performance Process Manager
Product category	DCS System
Tariff code	8537101190

IDENTIFICATION CONTROL

Before installation or replacement, match the complete model, CE part number, terminal construction and approved HPM field location. Similar FTA names are not proof of interchangeability.

3 System Role and Architecture

The interface participates in the documented HPM signal path; pairing, terminal assignments and configuration remain project-specific.



CONTROLLED INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED CONTROL
Installed position	Record cabinet, HPM location and FTA assignment before removal.
Companion hardware	Confirm the associated IOP and HPMM path against approved drawings.
Field connection	Preserve terminal number, polarity, shield and transmitter-power routing.
Configuration	Retain channel identity, range, alarm behavior and diagnostic expectations.
Acceptance	Verify stable indication, communications, diagnostics and process response.

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Applications and Engineering Context

Field transmitter loops

Use the compression-terminal interface for documented Smart Transmitter field connections in the HPM plan.

IOP integration

Apply the exact CE part pairing when connecting the associated IOP to the field termination assembly.

HPM architecture

Use the HPM planning path that links the associated IOP and HPMM through the approved I/O Link arrangement.

Hazardous-area planning

Follow the project location classification and approved-area workflow before disturbing transmitter circuits.

TECHNICAL NOTE

Verify the complete marking and installed compression-terminal assignment before wiring. Confirm the associated IOP/HPMM path, restore the documented loop identity and perform a controlled functional test after re-termination.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	MC-TSTX03-51309140-175 and 51309140-175 recorded
Physical interface	Compression terminals secure; labels and polarity retained
Companion check	Associated IOP, HPMM and I/O Link path confirmed
Functional proof	Stable indication, diagnostics, alarms and control response
Application test	Affected Smart Transmitter loop accepted for service

5 Engineering Precautions

- 1 Verify the complete MC-TSTX03-51309140-175 marking and the assigned HPM field location before work.
- 2 Place affected process loops in the approved maintenance state before isolating transmitter wiring.
- 3 Record terminal numbers, wire labels, polarity, shields and channel assignment before disconnection.
- 4 Confirm the associated IOP, HPMM and I/O Link path against the approved system documentation.
- 5 Use ESD controls and protect the compression terminals, connectors and printed-circuit surfaces.

RELATED PRODUCTS ON APTER POWER

MODEL	RELATED SYSTEM ROLE	APTER POWER PRODUCT PAGE
MC-TSTX13 51309142-175	Smart-transmitter field interface	Open product page
MC-TAIH04 51305900-175	HART high-level analog-input FTA	Open product page
MC-TAIH14 51305887-150	HART high-level analog-input FTA	Open product page
MU-TAIH02 51304453-100	High-level analog-input FTA	Open product page
MC-TAIH22	Enhanced high-level analog-input FTA	Open product page
MC-TAIH02 51304453-150	High-level analog-input FTA	Open product page
8C-PAIH51 51454352-175	Series 8 HART analog-input module	Open product page
CC-PAIH02 51405038-376	Series C HART analog-input module	Open product page

MANUFACTURER SOURCE RECORD

Honeywell HPM Planning | Process Manager I/O Installation and Wiring

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