

Smart Transmitter Interface Processor*

MU-PSTX03

Parameter	Specification
FTA Models	MU-TAIH02, TAIH12, TAIH22, TAIH52, TAIH62, TSTX03, TSTX13, TSTX53
Input Type	Honeywell DE (digital enhanced) protocol (bidirectional)
Input Channels	16 digital input channel PVs
Resolution	The resolution of the connected field instrument is passed through without degradation.
Maximum Input Voltage (any input referenced to common, no damage)	-10 V to +30 V
Transmitter broadcast frequency (PV)	2.4-3.6 PVs per second per channel (configuration dependent).
Accuracy	The accuracy of the connected field instrument is passed through without degradation.
Surge withstand capability (Common mode)	ANSI/IEEE C37.90.1-1978
Transmitter Power Conditioning	
MU-TAIH02, MU-TAIH52, MU-TAIH12, MU-TSTX03,	Resistor Current Limited, 145 Ω (not fused) for Class 1, Div 2 interfacing
MU-TSTX13, MU-TSTX53 MU-TAIH22 & TAIH62	Individual Protected Current Limiting Circuits for Class 1, Div 2 interfacing Maximum current: 30 ma Minimum voltage 23 V

Smart Transmitter Interface Processor* Redundancy Option

**MU-TAIH12, TAIH52,
TSTX13, TSTX53**

Parameter	Specification
Input Scan Cycles Missed or Delayed During Swap or Failover	No cycles missed or delayed
Hardware Accuracy Effect of Failure	No effect nominally. The resolution of the connected field instrument is passed through without degradation.

* Smart Transmitter Interface Processor (MU-PSTX03) supports both single and multivariable transmitter types.

Model Numbers (continued)

Description	Uncoated Model Number	Coated Model Number
Field Termination Assemblies (Phone Connector Style* - Compression Terminals)		
High Level Analog Input/STI FTA (16 Inputs)	MU-TAIH02	MC-TAIH02
High Level Analog Input/STI FTA for Redundancy (16 Inputs) **	MU-TAIH12	MC-TAIH12
High Level Analog Input FTA (16 Inputs) (CE Mark)	MU-TAIH03	MC-TAIH03
High Level Analog Input FTA for Redundancy (16 Inputs) (CE Mark) **	MU-TAIH13	MC-TAIH13
Smart Transmitter Interface FTA (16 Inputs) (CE Mark)	MU-TSTX03	MC-TSTX03
Smart Transmitter Interface FTA for Redundancy (16 Inputs) (CE Mark) **	MU-TSTX13	MC-TSTX13
Enhanced Power High Level /STI Analog Input FTA (16 Inputs) **	MU-TAIH22	MC-TAIH22
Enhanced Power High Level Analog Input FTA (16 Inputs) (CE Mark)**	MU-TAIH23	MC-TAIH23
Low Level Analog Input FTA (8 Inputs)	MU-TAIL02	MC-TAIL02
Low Level Analog Input FTA (8 Inputs) (CE Mark)	MU-TAIL03	MC-TAIL03
Low Level Analog Input Multiplexer RTD FTA (16 Inputs)	MU-TAMR03	MC-TAMR03
Low Level Analog Input Multiplexer TC FTA (16 Inputs)	MU-TAMT03	MC-TAMT03
Low Level Analog Input Multiplexer TC FTA with Remote CJR (16 Inputs)	MU-TAMT13	MC-TAMT13
RHMUX Remote FTA		MC-GRMT01
RHMUX GI/IS Power Adapter	MU-GRPA01	MC-GRPA01
RHMUX GI/NI Power Adapter	MU-TRPA01	MC-TRPA01
RHMUX NEMA 4 Enclosure (Painted Carbon Steel)	MU-CMSC03	
RHMUX NEMA 4X Enclosure (Stainless Steel)	MU-CMSS03	
LLMUX, SDI, SI Power Adapter	MU-TLPA02	MC-TLPA02
Pulse Input FTA (8 Inputs)	MU-TPIX12	MC-TPIX12
Analog Output FTA (8 Outputs)	MU-TAOX02	MC-TAOX02
Analog Output FTA for Redundancy (8 Outputs) **	MU-TAOX12	MC-TAOX12
Analog Output 16 FTA (16 Outputs), w/StbyMan (use ONLY w/ MU-PAOY22)**	MU-TAOY22	MC-TAOY22
Analog Output 16 FTA (16 Outputs), w/o StbyMan (use ONLY w/ MU-PAOY22)**	MU-TAOY23	MC-TAOY23
Digital Input Isolated 120 Vac FTA (32 Inputs)	MU-TDIA12	MC-TDIA12
Digital Input Isolated 240 Vac FTA (32 Inputs)	MU-TDIA22	MC-TDIA22
Digital Input 24 Vdc FTA (32 Inputs)	MU-TDID12	MC-TDID12
Digital Input 24 Vdc FTA (32 Inputs) (use ONLY w/ MU-PDIY22)**	MU-TDIY22	MC-TDIY22
Digital Output 120/240 Vac Solid-State FTA (16 Outputs)	MU-TDOA13	MC-TDOA13
Digital Output 3-30 Vdc Solid-State FTA (16 Outputs)	MU-TDOD13	MC-TDOD13
Digital Output 3-30 Vdc Solid-State FTA (16 Outputs) (CE Mark)	MU-TDOD14	MC-TDOD14
Digital Output 31-200 Vdc Solid-State (16 Outputs)	MU-TDOD23	MC-TDOD23
Digital Output 24 Vdc, 100 ma Nonisolated FTA (16 Outputs)	MU-TDON12	MC-TDON12
Digital Output 120 Vac/125 Vdc Relay FTA (16 Outputs)	MU-TDOR12	MC-TDOR12
Digital Output 240 Vac/125 Vdc Relay FTA (16 Outputs)	MU-TDOR22	MC-TDOR22
Digital Output 24 Vdc FTA (32 Outputs) (use ONLY w/ MU-PDOY22)**	MU-TDOY22	MC-TDOY22
Digital Output Relay FTA (16 Outputs) (use two w/ MU-PDOY22)**	MU-TDOY23	MC-TDOY23
* For DIN-style FTAs, Cables and File Options, See the <i>Site Planning</i> manual.		
** These FTAs can be used for single or redundant applications.		
All FTAs are available conformally coated (MC-models).		