

# TUE-16-INV-001

## 16-pos Term. Unit for Foxboro AI card FBM211 & FBM214e

This Termination Unit with Enclosure (TUE) provides direct connection between the I/O Card of the system and the field terminals. It supports all types of analog current transmitters, 2-wire passive or active, as well as 3 or 4-wire field devices. HART® signals are transferred transparently between system and field in both directions. On-board voltage and current protections avoid damages due to unintentional short circuits. Redundant power supply with voltage monitoring is supported.

### FEATURES

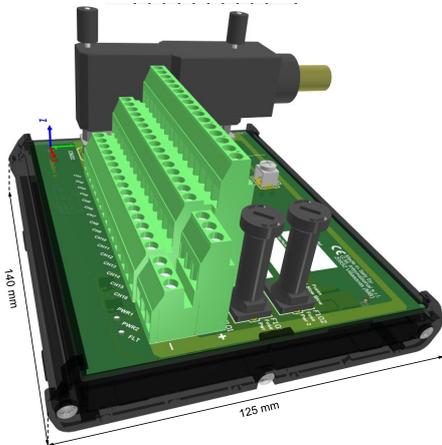
- Foxboro AI Card board interface
- 16 positions Termination Unit for up to 16 channels
- Field terminals for 2-wire passive/active and 3/4-wire transmitters
- HART® signal transparency
- On-board voltage/current protections against unintentional short circuits
- Lower cables installation and maintenance costs
- Power supplies redundancy
- Power supplies voltage monitoring
- Single DIN Rail mounting

### SUPPORTED CARDS & MODULES

SYSTEM	I/O CARD	CARDS / BOARDS	MODULES
FBM	FBM211 FBM214e	1	-

For more detailed information, refer to Instruction Manual.

### TERMINATION BOARD IMAGE



### TECHNICAL DATA

#### General

**Maximum number of channels:** 16

#### Supply

24 Vdc nom (20 to 30 Vdc), reverse polarity protected, redundant power supply, with OR diodes to mix supply voltages.

**Max allowed current consumption:** 3 A (as total supply).

**Connection:** by screw with terminations up to 2.5 mm<sup>2</sup>.

**Protection fuse:** 4 A time lag.

**Voltage monitor:** contact closed if both power supplies are connected and active.

#### I/O Card Interface

**Connection:** 1 x 37-pin D-sub male connector (require female mating connector).

**Cable:** system cable Type 4.

#### Field Interface

**Connection:** by screw with terminations up to 2.5 mm<sup>2</sup>.

**Max supply current per channel:** 250 mA.

**Signal current range:** 0 to 25 mA.

#### Environmental conditions

**Operating temperature:** temperature limits -40 to +70 °C.

**Max altitude:** 2000 m a.s.l.

**Storage temperature:** temperature limits -45 to +80 °C.

#### Mounting

Hardware included for mounting on single DIN-rail 35 mm.

**Weight:** about 490 g.

**Location:** installation in Safe Area.

**Dimensions:** Width 140 mm, Depth 125 mm, Height 80 mm.

### ORDERING INFORMATION

#### Ordering codes

TUE-16-INV-001

# FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.

