



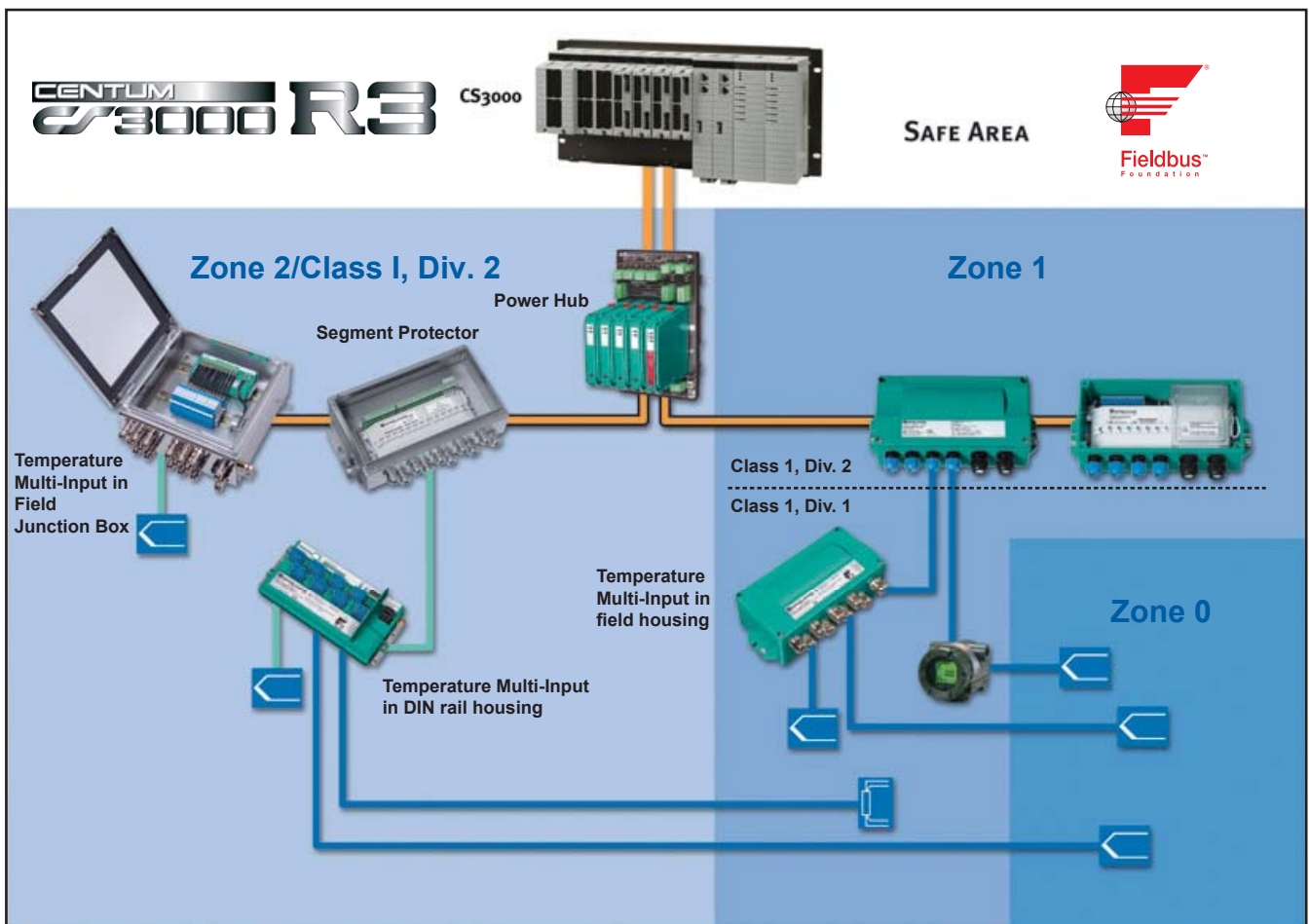
# TMI

# YTA SERIES

## Temperature Solutions for FOUNDATION fieldbus™

The 8-channel Temperature Multi-Input (TMI) device transfers signals from resistance temperature measuring sensors and thermocouples as well as resistance and millivolt signals via Foundation fieldbus™ to a CENTUM CS 3000 R3, ALF111 Foundation fieldbus™ Host module. The TMI is ideal for locations which require high density temperature measurements, like furnaces, boilers, cracking columns, and complements Yokogawa's YTA320 two input Foundation fieldbus™ temperature transmitter. The TMI can be installed in a wide range of applications, including intrinsically safe apparatus in Zone 1 or as an associated apparatus in Zone 2 of a hazardous area. The temperature sensors can be installed in Zone 0, irrespectively of the location of the TMI. It is available as DIN-rail mountable version as well as with different housings for field mounting. Data transfer is achieved via the function blocks 8xAI and 1xMAI. The transducer block "Concentrator" allows effective parameter assignment of the relevant parameters for temperature measurement.

- Universal temperature interface
- 8-channel inputs for T/C, RTD 2-, 3-, 4-wire, voltage and resistance
- Cold junction compensation
- Sensor diagnosis, lead break and short circuit detection
- Each channel can be configured individually
- DIN rail or field enclosure mounting, with a wide range of user selectable configurations
- Potential separation between the measurement inputs
- FISCO device, Intrinsically Safe or Nonincendive protection methods. For Zone 1/Class 1 Div 1 or Zone 2/Class 1 Div 2. Connected sensors can be installed in Zone 0/Class 1 Div 1.
- Ex certification: ATEX, IECEx, FM
- Tested and registered by Fieldbus Foundation™



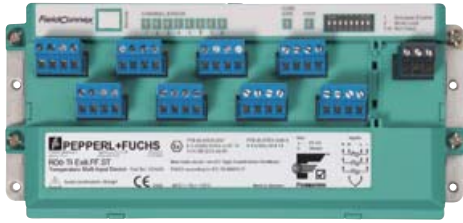
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[www.yokogawa.com](http://www.yokogawa.com)



# TMI YTA SERIES

Temperature Solutions for FOUNDATION fieldbus™



Temperature Multi-Input RD0-TI-Ex8.FF.\*  
for cabinet installation on DIN rail



Temperature Multi-Input  
F2D0-TI-Ex8.FF.CSG.ST with  
aluminium housing in the field

### Product selection Temperature Multi-Input

Model No.	Description	Options
RD0-TI-Ex8-FF.ST	DIN rail version	On customer request additional variations for all models are available such as: - cable glands - terminal blocks - different housing sizes
F2D0-TI-Ex8.FF.CG.ST	Aluminium housing with plastic cable glands	
F2D0-TI-Ex8.FF.CSG.ST	Aluminium housing with stainless steel cable glands	
F6D0-TI-Ex8.FF.CSG.ST	Stainless steel with stainless steel cable glands	
Field Junction Box	Custom-configured housing ready-made for installation includes all Pepperl+Fuchs Fieldbus components such as barriers, valve coupler or TMI and all accessories	

Detailed product information and manuals are available at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

### NOTICE

Before operating the product, read the user's manual thoroughly for proper and safe operation.

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### TMI and Fieldbus FieldConnex® installation technology designed and manufactured by:

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**vigilance**®



What does Yokogawa **vigilance** mean to the future of your business? **Quality**. Through products that are built from the ground up and tested to the last hour, you're ensured continuous operation and more uptime. **Innovation**. Your business will benefit from new insights and capabilities, bringing true predictability to your process. **Foresight**. As the market changes, you'll have solutions that give you the continuity and flexibility to plan ahead and grow. Our partners know the difference. With Yokogawa, you can count on a lifetime of plant efficiency, from instrumentation to operation support. Let us be vigilant about your business.

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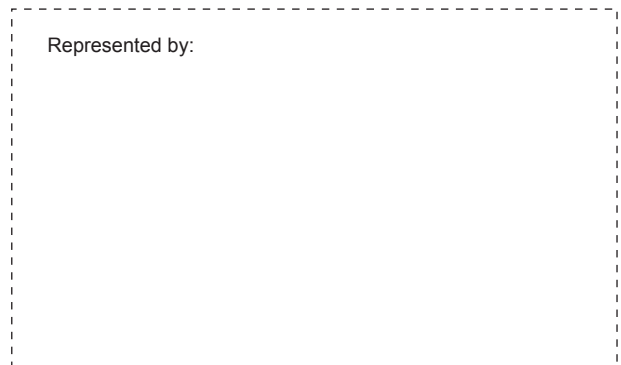
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