



## Metric TMR31 Endress Hauser Instruments TMR31-A1BABBAX1AAA Compact Thermometer

Our Product Introduction

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### Basic Information

- Place of Origin: Germany
- Brand Name: Endress Hauser
- Certification: ATEX
- Model Number: TMR31-A1BABBAX1AAA
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



### Product Specification

- Measuring Principle: Resistance Temperature Detector
- Insert / Probe: Pipe Version, Isolated Wires, Not Flexible
- Outer Diameter Protection Tube / Insert: 4,00 Mm (0,16") 6,00 Mm (0,24")
- Material Protection Tube/ Thermowell: 1.4404 (316L)
- Tip Shape: Straight
- Surface Roughness Ra: 0,8 µm (32 µin.)
- Highlight: **metric Endress Hauser Instruments, TMR31 Endress Hauser Instruments, Compact thermometer**



### More Images



## Product Description

### Endress Hauser TMR31-A1BABBAX1AAA Compact thermometer

#### Field of application

With cost efficiency, optimal use of space, reliable operation, easy installation and commissioning the TMR31 fulfills the requirements of modern process measurement technology. Vibration-proof integrated thin-film sensors guarantee highest operational safety at the fastest response times.

The TMR31 compact thermometers are used to measure temperatures from -50 °C to +150 °C (-58 °F to +302 °F), or up to +200 °C (+392 °F) with neck. The most common installation locations are tanks and pipes. TMR31 with process connections for general applications.

#### Potentiometric

##### Measuring principle

Resistance Temperature Detector

##### Characteristic / Application

metric style

compact temperature probe

fast response time

threaded process connection

with or without neck

##### Thermowell / protection tube

without (not intended to use with thermowell)

##### Insert / probe

pipe version, isolated wires, not flexible

##### Outer diameter protection tube / Insert

4,00 mm (0,16")

6,00 mm (0,24")

##### Max. immersion length on request

up to 600,00 mm (23,62")

##### Material protection tube/ thermowell

1.4404 (316L)

##### Process connection

male thread:

G1/4"

G1/2"

NPT1/4"

NPT1/2"

M14x1.5

M18x1.5

BSPT R1/2"

##### Tip shape

straight

##### Surface roughness Ra

0,8 µm (32 µin.)

##### Operating temperature range

PT 100:

-50 °C ...200 °C

(-58 °F ...392 °F)

##### Max. process pressure (static)

at 20 °C: 100 bar (1.450 psi)

##### Accuracy

class A acc. to IEC 60751

##### Response time

t<sub>50</sub> = 1 s

t<sub>90</sub> = 2 s

##### Integration head transmitter

no (4...20mA Signal)

##### Certification

Marine approval

UL 3111-1



Below are the TOP BRANDS we handle in the past 12 years:

Manufacture	Products
<b>Bently Nevada</b>	3500 Vibration Monitoring System 3300 Proximity Probes, Sensors & Transducer Systems
<b>ALLEN BRADLEY</b>	Industrial Control Products
<b>Pepperl-Fuchs</b>	Industrial Sensors & Isolated Barrier
<b>MTL Instruments</b>	Isolated Barrier
<b>Endress+Hauser</b>	Flow, Level, Liquid Analysis Instrument
<b>YOKOGAWA</b>	DCS & Field Instruments & Process Analyzers
<b>TE</b>	Dynamic Products
<b>Georg Fischer</b>	Piping System
<b>SMC</b>	controls, process, and Industrial products
<b>SICK</b>	Laser Sensor
<b>FESTO</b>	Pneumatic & Electric Automation Product
<b>Rosemount</b>	Analytical Products
<b>ASCO</b>	Solenoid Valves
<b>IFM</b>	Sensors & Controllers
<b>SCHMERSAL</b>	Safety switches & Safety Systems
<b>ABB</b>	V18345 Valve Positioner
<b>SIEMENS</b>	PLC modules & Transmitter
<b>FISHER</b>	DLC3100 Digital Level Controller
<b>TELEDYNE</b>	Oxygen Sensor & Fuel Cell
<b>DETCON</b>	Gas Detection Products
<b>HONEYWELL</b>	Switches & Transmitter
<b>VEGA</b>	Level Measurement Products
<b>AUMA</b>	Electric Actuators and Gearboxes
<b>YASKAWA</b>	Industrial Ac Drives

<b>BECKHOFF</b>	Controllers & I/O Modules
<b>BALLUFF</b>	Linear Position Sensors
<b>B&amp;R</b>	PLC Module
<b>Phoenix Contact</b>	Housing
<b>Harting</b>	Connector Han
For more product details, please visit our website: <a href="http://www.achievers-automation.com">www.achievers-automation.com</a>	

#### FAQ of Achievers

Q:Are the Products Genuine OEM Units?

A: These items have been certified by Achievers Automation Limited to be genuine OEM Units obtained through OEM or independent third-party channels.

Q:How will you arrange shipment?

A: We can arrange shipment based on your request. We have cooperated forwarder who can arrange shipment via FedEx, DHL,TNT with good price.

Q:What is the warranty of goods?

A: One-year Warranty.



**Achievers Automation Limited**



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