



MANUFACTURER'S DECLARATION

ABB No. 25 – 2008

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Test Item, Tests, Test Results

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**Manufacturer:** ABB Automation Products GmbH  
Borsigstrasse 2  
D-63755 Alzenau

**Type of unit:** Temperature Transmitter Type TH200-E2H for use in Zone 2

**Type identification:** TTH200

**Ordering number:** TTH200-E2H

**Electrical characteristics:**  $U_n \leq 30V$  DC (protective extra-low voltage PELV)

**Unit category 3 Application**

Temperature class	T6	T5	T4 ...T1
Permissible ambient temperature range	-40°C*...+56°C	-40°C* ...+71°C	-40°C* ...+85°C

**Remarks:** The Temperature Transmitter Type TTH200-E2H must be built into an enclosure which guarantees a minimum protection degree of IP 54 in accordance with IEC Publication 60529: 1989




Appropriate measures should be taken to ensure that in the environment surrounding the appliance, the protective device for checking transient effects can be adjusted to a value not exceeding 40% of the rated voltage at the power connecting points.


**Operation:** The Temperature Transmitter Type TTH200-E2H can be operated as a unit in Zone 2 if the electrical characteristics of Category 3 are respected.  
At installation time respect DIN EN 60079-14 (VDE 0165 Part 1).




## MANUFACTURER'S DECLARATION

ABB No. 25 - 2008

<b>ABB</b>	<b>Automation Products GmbH</b>	<b>TTH200</b>
Alzenau	Germany 2008	HART®
O-Code : TTH 200 - E2H/OPT .....		 → 
Ser. No. ....		
Us.=+11...30V, Ia=4...20mA, HART	HW. Rev. ....	
Cfg. Pt100; 3W; Type K; 0...100°C	SW. Rev. ....	0102
Ta.=-40...+85°C	IP 20	

	ABB No. 25 - 2008	<b>TTH200</b>
	II 3G EEx nA II T1..T6	
	T1..T4 Ta. =-40°C..+85°C (Zone 2)	
	T5 Ta. =-40°C..+71°C (Zone 2)	
	T6 Ta. =-40°C..+56°C (Zone 2)	

Alzenau, 18. Dezember 2008

  
for Harald Müller  
Head of Hardware Development

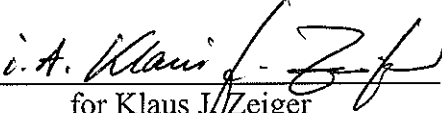
  
for Klaus J. Zeiger  
In Charge of Explosion Protection

ABB Automation Products GmbH