



MANUFACTURER'S DECLARATION

ABB No. 20 – 2006 Rev. 03

Test Item, Tests, Test Results

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

Type of unit: Temperature Transmitter Type TTH300-E2H, TTH300-E2P and TTH300-E2F for use in Zone 2

Type identification: TTH300

Ordering number: TTH300-E2H, TTH300-E2P and TTH300-E2F

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

option – 50°C

Remarks: The Temperature Transmitter Type TTH300-E2H, TTH300-E2P or TTH300-E2F 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 TTH300-E2H, TTH300-E2P or TTH300-E2F 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).


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Example:


ABB	Automation Products GmbH	TTH300
Alzenau	Germany 2008	HART®
O-Code : TTH 300 - E2./OPT		 → 
Ser. No.		
Us.=+11...42V, Ia=4...20mA, HART	HW. Rev.	0102
Cfg. 1xPt100; 3W; Type K; 0...100°C	SW. Rev.	
Ta.=-40...+85°C	IP 20	

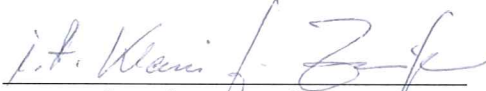
EX – type plate:

	ABB No. 20 - 2006 II 3G EEx nA II T1..T6	TTH300
	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)	

optional -50°C

Alzenau, 22. Feb. 2010


for Harald Müller
Head of Hardware Development


for Klaus J. Zeiger
In Charge of Explosion Protection