



MANUFACTURER'S DECLARATION

ABB No. 21 – 2006 Rev. 03

Test Item, Tests, Test Results

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

Type of unit: Temperature Transmitter Type TTF300-E5..H, TTF300-E5..P and TTF300-E5..F for use in Zone 2 and Zone 22.

Type identification: TTF300

Ordering number: TTF300-E5..H, TTF300-E5..P and TTF300-E5..F

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

**Unit category 3
Application (GAS):**

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

Application (dust): T 135°C





Remarks: 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 TTF300-E5..H, TTF300-E5..P or TTF300-E5..F can be operated as a unit in Zone 2 or Zone 3 if the electrical characteristics of Category 3 for non-conducting dust are respected.
At installation time please respect the EN 60079-14:2008 (VDE 0165-1) for gas and EN 61241-14:2004 (VDE 0165-2) for dust respectively.


MANUFACTURER'S DECLARATION

ABB No. 21 – 2006 Rev.03

Type labels TTF300

	Automation Products GmbH Alzenau Germany 2008	TTF300
O-Code : TTF300-Y0C4/OPT		 → 
Ser. No.		
Us=+11...42V, Ia= 4...20 mA, HART	Hw. Rev. 1.0.5	 0102
Cfg. 2xTC; Type K; 0...300°C	SW. Rev. 01.00.00	
Ta=-40...+85°C	IP 6X, NEMA 4X	

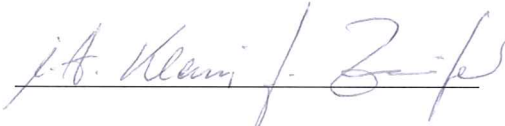
Option -50°C

	ABB No. 21 - 2006 II 3G EEx nA II T1..T6 II 3D IP6X T135°C	TTF300
T1..T4	Ta. =-40°C..+85°C (Zone 2; Zone 22 T 135°C)	
T5	Ta. =-40°C..+71°C (Zone 2; Zone 22 T 135°C)	
T6	Ta. =-40°C..+56°C (Zone 2; Zone 22 T 135°C)	

Alzenau, 22. Feb. 2010



for Harald Müller
Head of Hardware Development



for Klaus J. Zeiger
In Charge of Explosion Protection

ABB Automation Products GmbH