

MODEL	TEMPERATURE TRANSMITTER									
TT301	HART® & 4 to 20 mA									
TT302	FOUNDATION™ fieldbus									
TT303	PROFIBUS PA									
<b>COD. Local Indicator</b>										
0 Without Indicator      1 With Digital Indicator										
<b>COD. Mounting Bracket</b>										
A Flat, 304 SST bracket and 316 SST accessories      1 Carbon Steel Bracket      7 Carbon Steel Bracket with 316 SST Fasteners										
0 Without Bracket      2 316 SST Bracket										
<b>COD. Set this code as "1" for TT301 and exclude for the others</b>										
<b>COD. Electrical Connections</b>										
0 1/2 - 14 NPT (8)      3 1/2 - 14 NPT X 1/2 BSP (316 SST) - With adapter (2)      Z According to user's notes										
1 1/2 - 14 NPT X 3/4 NPT (316 SST) - With adapter (9)      A M20 x 1.5 (10)										
2 1/2 - 14 NPT X 3/4 BSP (316 SST) - With adapter (2)      B PG 13.5 DIN (11)										
<b>COD. Housing Material (13) (14)</b>										
H0 Aluminum (IP/TYPE)      H2 Aluminium for saline atmosphere (IPW/TYPEX) (15)      H4 Copper Free Aluminium (IPW/TYPEX) (15)										
H1 316 SST (IP/TYPE)      H3 316 SST for saline atmospheres (IPW/TYPEX) (15)										
<b>COD. Identification Plate (12)</b>										
I1 FM: XP, IS, NI, DI      I4 EXAM (DMT): EEX-IA; NEMKO: EEX-D      IE NEPSI: Ex-ia (3)										
I2 NEMKO: Ex-d, Ex-ia (4)      I5 CEPEL: Ex-d, Ex-ia      IF CEPEL: Ex-d (4)										
I3 CSA: XP, IS, NI, DI (5)      I6 Without Certification      IG CEPEL (Ex-d, Ex-ia) +IPW (6)										
<b>COD. Tag Plate (12)</b>										
J0 With tag, when specified (Default)      J1 Blank      J2 According to user's notes										
<b>COD. Sensor Connection</b>										
L2 2-wire      L4 4-wire      LD Double 2-wire (3)										
L3 3-wire      LF Differential      LB Backup										
<b>COD. PID Configuration - (4)</b>										
M0 With PID (Default)      M1 Without PID										
<b>COD. LCD1 Indication - (4)</b>										
Y0 LCD1: Percentage (Default)      Y3 LCD1: Temperature (Engineering Unit)										
Y1 LCD1: Current - I (mA)      YU LCD1: According to user notes (1) (7)										
<b>COD. LCD2 Indication - (4)</b>										
Y0 LCD2: Percentage (Default)      Y6 LCD2: Temperature (Engineering Unit)										
Y4 LCD2: Current - I (mA)      YU LCD2: According to user notes (1) (7)										
<b>COD. Painting</b>										
P0 Gray Munsell N 6,5 Polyester (Default)      P5 Yellow Polyester										
P3 Black Polyester      P8 Without Painting										
P4 White Epoxy      P9 Safety Blue Epoxy - Electrostatic Painting										
<b>COD. Sensor Type</b>										
T1 RTD Cu10 - GE      TB Thermocouple type E - NBS      TQ 22 mV										
T2 RTD Ni120 - Edison Curve #7      TC Thermocouple type J - NBS      TR 100 mV										
T3 RTD PT50 - IEC      TD Thermocouple type K - NBS      TS 500 mV										
T4 RTD PT100 - IEC      TE Thermocouple type N - NBS      TT Special mV (4)										
T5 RTD PT500 - IEC      TF Thermocouple type R - NBS      TV RTD Pt100 MILT										
T6 RTD PT50 - JIS      TG Thermocouple type S - NBS      TW RTD Ni120 - IEC										
T7 RTD PT100 - JIS      TH Thermocouple type T - NBS      TX RTD Pt100 - IEC (4)										
TU RTD PT1000 - IEC (4)      TK Thermocouple type L - DIN      10 RTD Pt100 - GOST (4)										
T8 2K OHM      TP Thermocouple type U - DIN      11 RTD Pt50 - GOST (4)										
T9 400 OHM      TN 100 OHM      12 Cu100 - GOST (4)										
TA Thermocouple type B - NBS      TO Special OHM (4)      13 Cu50 - GOST (4)										
<b>COD. Burn-out (4)</b>										
BD Down Scale      BU Up Scale										

TT301	1	2	1	0	H1	I1	J0	L2	M0	Y0	Y0	P8	T1	BU
TT302	1	2		0	H1	I1	J0	L2				P8	T1	
TT303	1	2		0	H1	I1	J0	L2				P8	T1	

**Note:**

- (1) Values limited to 4 ½ digits; units limited to 5 characters.
- (2) Not certified for use in hazardous locations.
- (3) Only available for TT302 and TT303.
- (4) Only available for TT301.
- (5) Only available for TT301 and TT302.
- (6) Not available for Aluminum housing.
- (7) For TT301, this code will be available only if the chosen sensor is Ohm or mV special.
- (8) Certified for use in hazardous locations (CEPEL, CSA, FM, NEPSI, NEMKO, EXAM).
- (9) Certified for use in hazardous locations (CEPEL, CSA, FM).
- (10) Certified for use in hazardous locations (CEPEL, FM, NEPSI, NEMKO, EXAM).
- (11) Certified for use in hazardous locations (CEPEL, NEPSI, NEMKO, EXAM).
- (12) Rectangular plate in 316 SST.
- (13) IPX8 tested in 10 meters of water column for 24 hours.
- (14) Ingress Protection:

Product	CEPEL	NEMKO / EXAM	FM	CSA	NEPSI
TT300	IP66/68W	IP66/68W	Type 4X/6 (6P)	Type 4X	IP67

(15) IPW/TYPE testes for 200 hours according to NBR 8094 / ASTM B 117 standard.

