

ST 3000 Smart Pressure Transmitters
SMV 3000 Smart Multivariable Transmitter
STS103 Smart Field Communicator
RMA 3000 Remote Meter Assemblies
STT 3000 Smart Temperature Transmitter

Product Certifications

The Approval Body codes described herein apply to the products by Series and Release numbers as shown. Refer to individual Model Selection Guides for availability and restrictions. Refer to the installation drawings for specific requirements.

CE Conformity (Europe) 89/336/EEC, Electromagnetic Compatibility (EMC) Directive. All models and options.

Series 100e and Series 900

Factory Mutual (FM) Approval

F1D3 Explosionproof for Class I, Division 1, Groups A, B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1. Conduit seals required within 18" of enclosure, Group A only.

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 40°C, T3A at 85°C maximum ambient, when connected in accordance with Honeywell drawing 30753667.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G, T4 at 85°C maximum ambient, hazardous locations. 42 Vdc max.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

Intrinsic Safety Entity Parameters ⁽¹⁾	Class I, II, III, Division 1 and 2, Groups A - G
V _{Max} = 42.4 V	
I _{Max} = 225 mA	
P _{Max} = 1.2 W	
C _i = 0.01 µF	
L _i = 150 µH	

(1) Install in accordance with Honeywell drawing 30753667.

Canadian Standards Association (CSA)

C1C3 Explosion Proof for Class I, Division 1, Groups B, C & D. Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1. Conduit seals not required. 42 Vdc max.

Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III, Divisions 1, T4 at 40°C, T3A at 85°C maximum ambient. Install per Honeywell drawing 30753667.

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, E, F & G hazardous locations. 42 Vdc max.

Environmental: Indoor and outdoor hazardous locations (Encl 4).

CENELEC / LCIE Certification

E1D3 Flameproof, Supply ≤ 45 Vdc, IP 66/67 (Zone 1, 2)
EEx d IIC T6

CENELEC / PTB / LCIE Certification

E1D8 Intrinsically Safe (Zone 0, 1, 2)
PTB: EEx ia IIC T5 Without Smart Meter option SM
LCIE: EEx ia IIC T5, -40 ≤ T_{amb} ≤ 85°C, With Smart Meter option SM

Intrinsic Safety Parameters		
U _i = 30 V	PTB / LCIE	
I _i = 100 mA		
P _i = 1.2 W		
C _i = 0	PTB	With no integral indicator, Smart Meter option SM, or with integral Analog Meter option ME only.
L _i = 150 µH		
C _i = 12 nF	LCIE	
L _i = 0		With no integral indicator, or with integral Smart Meter option SM.

CENELEC / LCIE Certification

E1D9 Intrinsically Safe (Zone 0, 1, 2)
EEx ia IIC T5, -40 ≤ T_{amb} ≤ 85°C

LCIE Intrinsic Safety Parameters, Series 900		
U _i = 30 V		
I _i = 100 mA		
P _i = 1.2 W		
C _i = 12 nF		
L _i = 0		With no integral indicator, or with integral Smart Meter option SM.
L _i = 150 µH		With Analog Meter option ME

Standards Australia (LOSC) Certification

A0CA Intrinsically Safe (Zone 0, 1, 2)
Ex ia IIC T4 Class I Zone 0

Non-Sparking Apparatus - Type of Protection 'n'
Ex n IIC T6 Class I Zone 2

LOSC Intrinsic Safety Parameters	
U _i = 42 V	
I _i = 225 mA	
P _i = 1.2 W	
C _i = 0.01 µF	
L _i = 150 µH	

VNIIVE / RFYATS-VNIIEF (Russian) Certification

V0D2 Flameproof (Zone 1, 2)
EExdIICT6, RFYATS-VNIIEF

Intrinsically Safe (Zone 0, 1, 2)
0ExialICT6X, VNIIVE

Zone 2 (Europe) Declaration of Conformity

H2D5 Electrical Apparatus With Type of Protection “n” per IEC 79-15. IP 66/67
Ex II 3 GD T⁽¹⁾ X (Council Directive 94/9/EC)
-40 ≤ Ta ≤ 93°C
Enclosure IP 66/67

Zone 2 Parameters	
U _i ≤ 42 V	
I _i ≤ 22 mA	
Temp. Code ⁽¹⁾ T4 at Ta 93°C Maximum Ambient	
Temp. Code ⁽¹⁾ T5 at Ta 80°C Maximum Ambient	
Temp. Code ⁽¹⁾ T6 at Ta 65°C Maximum Ambient	

Series 100e and Series 900 HART®

Factory Mutual (FM) Approval

F1D3 Explosionproof for Class I, Division 1, Groups A, B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1. Conduit seals required within 18” of enclosure, Group A only.

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 40°C, T3A at 85°C maximum ambient, when connected in accordance with Honeywell drawing 30753667.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G, T4 at 85°C maximum ambient, hazardous locations. 42 Vdc max.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

HART Option HC Entity Parameters ⁽¹⁾	Class I, II, III, Division 1 and 2, Groups A - G
5 ≤ V _{Max} ≤ 30 V	
I _{Max} = 225 mA	
P _{Max} = 1.2 W	
C _i = 12 nF	
L _i = 0	Without Analog Meter option ME
L _i = 150 μH	With Analog Meter option ME

(1) Install in accordance with Honeywell drawing 51204212.

Canadian Standards Association (CSA)

C1C3 Explosion Proof for Class I, Division 1, Groups B, C & D. Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1. Conduit seals not required. 42 Vdc max.

Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III, Divisions 1, T4 at 40°C, T3A at 85°C maximum ambient. Install HART option HC per Honeywell drawing 51204214.

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, E, F & G hazardous locations. 42 Vdc max.

Environmental: Indoor and outdoor hazardous locations (Encl 4).

CENELEC / LCIE Certification

E1D3 Flameproof, Supply ≤ 45 Vdc, IP 66/67 (Zone 1, 2)
EEx d IIC T6

CENELEC / LCIE / PTB Certification

E1D8 Intrinsically Safe (Zone 0, 1, 2)
EEx ia IIC T5, -40 ≤ T_{amb} ≤ 85°C

LCIE Intrinsic Safety Parameters, HART Option HC ⁽¹⁾	
U _i = 30 V	
I _i = 100 mA	
P _i = 1.2 W	
C _i = 12 nF	
R _i = 0	
L _i = 0	With no integral indicator, or with integral Smart Meter option SM.
L _i = 150 μH	With Analog Meter option ME

(1) Install in accordance with Honeywell drawing 51204215.

Series 100 and Series 900 Release 300 (R300, 1997)

The following certifications apply only to transmitters marked **R300**.

Factory Mutual (FM) Approval

1C Explosionproof for Class I, Division 1, Groups A, B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1. Conduit seals required within 18” of enclosure, Group A only.

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 40°C, T3A at 93°C maximum ambient, when connected in accordance with Honeywell drawing 51204241.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G, T4 at 93°C maximum ambient, hazardous locations. 42 Vdc max.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

Intrinsic Safety Entity Parameters ⁽¹⁾	Class I, II, III, Divisions 1 and 2, Groups A - G
V _{Max} = 42.4 V	
I _{Max} = 225 mA	
P _{Max} = 1.2 W	
C _i = 4.2 nF	
L _i = 0	With no integral indicator, or with integral Smart Meter option SM
L _i = 150 μH	With Analog Meter option ME

(1) Install in accordance with Honeywell drawing 51204241.

Canadian Standards Association (CSA)

- 2J** Explosion Proof for Class I, Division 1, Groups B, C & D. Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1. Conduit seals not required. 42 Vdc max.

Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III, Divisions 1, T4 at 40°C, T3A at 93°C maximum ambient. Install per Honeywell drawing 51204242.

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, E, F & G hazardous locations, T4 at 93°C. 42 Vdc max.

Environmental: Indoor and outdoor hazardous locations (Encl 4X).

CSA Certified Barriers⁽¹⁾	
Class I, II, III, Division 1 and 2, Groups A - G	
	30V / 300 Ω
	28V / 300 Ω
	22V / 180 Ω
CSA Entity Parameters⁽¹⁾	
$V_{Max} = 42.4$ V	
$I_{Max} = 225$ mA	
$P_{Max} = 1.2$ W	
$C_i = 4.2$ nF	
$L_i = 0$	With no integral indicator, or with integral Smart Meter option SM
$L_i = 150$ μH	With Analog Meter option ME

(1) Install in accordance with Honeywell drawing 51404242.

CENELEC / LCIE Certification

- 3D** Flameproof, Supply ≤ 45 Vdc, IP 66/67 (Zone 1, 2) EEx d IIC T6

- 3A** Intrinsically Safe (Zone 0, 1, 2) EEx ia IIC T5, -40 ≤ T_{amb} ≤ 93°C

Flameproof, Supply ≤ 45 Vdc, IP 66/67 (Zone 1, 2) EEx d IIC T6

LCIE Intrinsic Safety Parameters⁽¹⁾	
$U_i = 30$ V	
$I_i = 100$ mA	
$P_i = 1.2$ W	
$C_i = 4.2$ nF	
$R_i = 0$	
$L_i = 0$	With no integral indicator, or with integral Smart Meter option SM
$L_i = 150$ μH	With Analog Meter option ME

(1) Install in accordance with Honeywell drawing 51204243.

Standards Australia (LOSC) Certification

- 4H** Intrinsically Safe
Ex ia IIC T4 Class I Zone 0

Flameproof
Ex d IIC T6 Class I Zone 1

Non-Sparking Apparatus - Type of Protection 'n'
Ex n IIC T6 Class I Zone 2

LOSC Intrinsic Safety Parameters⁽¹⁾	
$U_i = 42.4$ V	
$I_i = 225$ mA	
$P_i = 1.2$ W	
$C_i = 4.2$ nF	
$L_i = 0$	With no integral indicator, or with integral Smart Meter option SM
$L_i = 150$ μH	With Analog Meter option ME

(1) Install in accordance with Honeywell drawing 51204309.

Zone 2 (Europe) Declaration of Conformity

- 3N** Electrical Apparatus With Type of Protection "n" per IEC 79-15.
Ex II 3 GD T⁽¹⁾ X (Council Directive 94/9/EC)
-40 ≤ T_a ≤ 93°C.
Enclosure IP 66/67

Zone 2 Parameters	
$U_i ≤ 42$ V	
$I_i ≤ 22$ mA	
Temp. Code ⁽¹⁾ T4 at T _a 93°C Maximum Ambient	
Temp. Code ⁽¹⁾ T5 at T _a 80°C Maximum Ambient	
Temp. Code ⁽¹⁾ T6 at T _a 65°C Maximum Ambient	

Series 100 and Series 900 Release 300 (R300, 1997) Foundation™ Fieldbus

The following certifications apply only to transmitters marked **R300** with option **FF**.

Factory Mutual (FM) Approval

- 1C** Explosionproof for Class I, Division 1, Groups A, B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1. Conduit seals required within 18" of enclosure, Group A only.

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 40°C, T3A at 93°C maximum ambient, when connected in accordance with Honeywell drawing 51204301.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G, T4 at 93°C maximum ambient, hazardous locations. 24 Vdc max.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

Foundation™ Fieldbus Option FF Entity Parameters⁽¹⁾	Class I, II, III, Division 1 and 2, Groups A - G
$V_{Max} = 24$ V	
$I_{Max} = 250$ mA	
$P_{Max} = 1.2$ W	
$C_i = 4.2$ nF	
$L_i = 0$	

(1) Install in accordance with Honeywell drawing 51204301.

Canadian Standards Association (CSA)

2J Explosion Proof for Class I, Division 1, Groups B, C & D. Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1. Conduit seals not required. 24 Vdc max.

Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III, Divisions 1, T4 at 40°C, T3A at 93°C maximum ambient. Install per Honeywell drawing 51204302.

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, E, F & G hazardous locations, T4 at 93°C maximum ambient. 24 Vdc max.

Environmental: Indoor and outdoor hazardous locations (Encl 4X).

Foundation™ Fieldbus Option FF Entity Parameters ⁽¹⁾	Class I, II, III, Division 1 and 2, Groups A – G
$V_{Max} = 24 V$	
$I_{Max} = 250 mA$	
$P_{Max} = 1.2 W$	
$C_i = 4.2 nF$	
$L_i = 0$	

(1) Install in accordance with Honeywell drawing 51204302.

CENELEC / LCIE Certification

3D Flameproof, Supply $\leq 24 Vdc$, IP 66/67 (Zone 1, 2) EEx d IIC T6

3A Intrinsically Safe (Zone 0, 1, 2) EEx ia IIC T5, $-40 \leq T_a \leq 93^\circ C$

Flameproof, Supply $\leq 24 Vdc$, IP 66/67 (Zone 1, 2) EEx d IIC T6

LCIE Intrinsic Safety Parameters ⁽¹⁾
$U_i = 24 V$
$I_i = 250 mA$
$P_i = 1.2 W$
$C_i = 4.2 nF$
$R_i = 0$
$L_i = 0$

(1) Install in accordance with Honeywell drawing 51204303.

Standards Australia (LOSC) Certification

4H Intrinsically Safe Ex ia IIC T4 Class I Zone 0

Flameproof Ex d IIC T6 Class I Zone 1

Non-Sparking Apparatus - Type of Protection 'n' Ex n IIC T6 Class I Zone 2

LOSC Intrinsic Safety Parameters ⁽¹⁾
$U_i = 24 V$
$I_i = 250 mA$
$P_i = 1.2 W$
$C_i = 4.2 nF$
$L_i = 0$

(1) Install in accordance with Honeywell drawing 51204304.

Zone 2 (Europe) Declaration of Conformity

3N Electrical Apparatus With Type of Protection "n" per IEC 79-15. Ex II 3 GD T⁽¹⁾ X (Council Directive 94/9/EC) $-40 \leq T_a \leq 93^\circ C$. Enclosure IP 66/67

Zone 2 Parameters
$U_i \leq 24 V$
$I_i \leq 250 mA$
Temp. Code ⁽¹⁾ T4 at Ta 93°C Maximum Ambient
Temp. Code ⁽¹⁾ T5 at Ta 80°C Maximum Ambient
Temp. Code ⁽¹⁾ T6 at Ta 65°C Maximum Ambient

SMV3000 Smart Multivariable Transmitter

Factory Mutual (FM) Approvals

F1D3 Explosionproof for Class I, Division 1, Groups A, B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1. **(Without analog meter option ME)**

F1C3 Explosionproof for Class I, Division 1, Groups B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1. **(With analog meter option ME)**

F1D3 and F1C3 Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 93°C maximum ambient, when connected in accordance with Honeywell drawing 51404251.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G hazardous locations.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

FM Entity Parameters ⁽¹⁾	Class I, II, III, Division 1 and 2, Groups
$V_{Max} = 42.4 V$	A - G
$I_{Max} = 225 mA$	A - G
$P_{Max} = 1.2 W$	A - G
$C_i = 0.036 \mu F$	A - G
$L_i = 150 \mu H$	A - G

(1) Install in accordance with Honeywell drawing 51404251.

Canadian Standards Association (CSA)

C1C3 Explosion Proof for Class I, Division 1, Groups B, C & D. Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1. 42 Vdc max.

Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III, Divisions 1, T4 at 93°C maximum ambient, when connected in accordance with Honeywell drawing 51404251.

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, E, F & G hazardous locations.

Environmental: Indoor and outdoor hazardous locations (Enclosure 4).

LCIE / CENELEC Certification

E1D8 EEx d IIC T6 (Zone 1, 2)
Flameproof, Supply ≤ 45 Vdc, IP 66/67

EEx ia IIC T5 ($T_{amb} -40$ to 50°C) (Zone 0, 1, 2)
Intrinsically Safe

CENELEC Intrinsic Safety Parameters

$U_i = 30$ V	
$I_i = 100$ mA	
$P_i = 1.2$ W	
$R_i = 0$	
$C_i = 4.5$ nF	Without Analog Meter Option ME
$L_i = 5$ μH	Without Analog Meter Option ME
$C_i = 5.5$ nF	With Analog Meter Option ME
$L_i = 155$ μH	With Analog Meter Option ME
$U_o = 5.8$ V	Sensor Input (T/C or RTD)
$I_o = 14.5$ mA	Sensor Input (T/C or RTD)
$C_o = 0.5$ nF	Sensor Input when $L_o = 0$
$L_o = 1$ mH	Sensor Input when $C_o = 0$

Zone 2 (Europe) Declaration of Conformity

H2D5 Electrical Apparatus With Type of Protection "n" per IEC 79-15.

Ex II 3 GD T⁽¹⁾ X (Council Directive 94/9/EC)

$-40 \leq T_a \leq 93^{\circ}\text{C}$

Enclosure IP 66/67

Zone 2 Parameters

$U_i \leq 42$ V
$I_i \leq 22$ mA
Temp. Code ⁽¹⁾ T4 at $T_a 93^{\circ}\text{C}$ Maximum Ambient
Temp. Code ⁽¹⁾ T5 at $T_a 80^{\circ}\text{C}$ Maximum Ambient
Temp. Code ⁽¹⁾ T6 at $T_a 65^{\circ}\text{C}$ Maximum Ambient

STS103 Smart Field Communicator**Factory Mutual (FM) Approval**

F1D2 Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D, when connected in accordance with Honeywell drawing 30753667.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D, hazardous locations.

Intrinsic Safety Entity Parameters ⁽¹⁾

$V_{Max} = 42.4$ V
$I_{Max} = 225$ mA
$C_i = 0$
$L_i = 0.1$ mH

(1) Install in accordance with Honeywell drawing 30753667.

Canadian Standards Association (CSA)

C1D2 Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups F & G; Class III, Divisions 1. Install per Honeywell drawing 30753667.

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, F & G hazardous locations.

CENELEC / LCIE Certification

E0D2 Intrinsically Safe (Zone 0, 1, 2)
EEx ia IIC T5, $-10 \leq T_a \leq 50^{\circ}\text{C}$

LCIE Intrinsic Safety Parameters

$U_i = 30$ V
$I_i = 100$ mA
$P_i = 1.2$ W
$C_i = 12$ nF
$U_o = 7.5$ V
$I_o = 8$ mA

Standards Australia (LOSC)

A0CA Intrinsically Safe
Ex ia IIC T6 Class I Zone 0

Non-Sparking Apparatus - Type of Protection 'n'
Ex n IIC T6 Class I Zone 2

LOSC Intrinsic Safety Parameters

$U_i = 42.4$ V
$I_i = 225$ mA
$C_i = 0$
$L_i = 0$

**RMA 3000 (RMA300)
Remote Meter Assemblies****Factory Mutual (FM) Approval**

F1C3 Explosionproof for Class I, Division 1, Groups B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1.

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 93°C maximum ambient. Connected in accordance with Honeywell drawings 30753667, 30756054, 51204241, or other drawing based on the associated transmitter used with this meter.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G hazardous locations.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

**FM Entity Parameters ⁽¹⁾
Class I, II, III, Division 1 and 2, Groups A - G**

$V_{Max} = 42.4$ V
$I_{Max} = 225$ mA
$P_{Max} = 1.2$ W
$C_i = 0$
$L_i = 150$ μH

(1) Install in accordance with Honeywell drawing 51404241.

Canadian Standards Association (CSA)

C1C3 Explosion Proof for Class I, Division 1, Groups B, C & D. Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1. 42 Vdc max.

Intrinsically Safe for Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 93°C maximum ambient, when connected in accordance with Honeywell drawings 30753667, 30756054, 51204242, or other drawing based on the associated transmitter used with this meter.

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, E, F & G hazardous locations.

Environmental: Indoor and outdoor hazardous locations (Encl 4).

CSA Certified Barriers⁽¹⁾
Class I, II, III, Division 1 and 2, Groups A - G
30V / 300 Ω
28V / 300 Ω
22V / 180 Ω
CSA Entropy Parameters⁽¹⁾
V _{Max} = 42.4 V
I _{Max} = 225 mA
P _{Max} = 1.2 W
C _i = 0
L _i = 150 μH

(1) Install in accordance with Honeywell drawing 51404242.

CENELEC / INERIS Certification

E1D3 Flameproof (Zone 1, 2)
 EEx d IIC T6 (T_{amb} -20 to 65°C)
 Supply ≤ 42 Vdc
 Enclosure IP 66/67

E0D2 Intrinsically Safe (Zone 0, 1, 2)
 EEx ia IIC T5 (T_{amb} -20 to 60°C)

CENELEC Intrinsic Safety Parameters	
U _i = 30 V	
I _i = 100 mA	
P _i = 1.2 W	
C _i = 0	
L _i = 0	With Meter Option SM, SC, DC or DM
L _i = 34 μH	With Analog Meter Option ME

Standards Australia (LOSC)

A0CA Intrinsically Safe
 Ex ia IIC T6 Class I Zone 0

Non-Sparking Apparatus - Type of Protection 'n'
 Ex n IIC T6 Class I Zone 2

LOSC Intrinsic Safety Parameters	
U _i = 42.4 V	
I _i = 225 mA	
C _i = 0	
L _i = 0	

Zone 2 (Europe) Declaration of Conformity

H2D5 Electrical Apparatus With Type of Protection "n" per IEC 79-15.
 Ex II 3 GD T⁽¹⁾ X (Council Directive 94/9/EC)
 -40 ≤ Ta ≤ 93°C
 Enclosure IP 66/67

Zone 2 Parameters	
U _i ≤ 42 V	
I _i ≤ 22 mA	
Temp. Code ⁽¹⁾ T4 at Ta 93°C Maximum Ambient	
Temp. Code ⁽¹⁾ T5 at Ta 80°C Maximum Ambient	
Temp. Code ⁽¹⁾ T6 at Ta 65°C Maximum Ambient	

STT 3000 (STT350)
Smart Temperature Transmitter

Factory Mutual (FM) Approval

F1D3 Explosionproof for Class I, Division 1, Groups A, B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1, indoor and outdoor (NEMA 4X) hazardous locations. **(With no meter options, ME or SM)**

F1C3 Explosionproof for Class I, Division 1, Groups B, C & D. Dust-Ignitionproof for Class II, Division 1, Groups E, F & G. Suitable for Class III, Division 1, indoor and outdoor (NEMA 4X) hazardous locations. **(With meter options ME or SM)**

F1D3 and F1C3 Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T3 at 85°C maximum ambient, when connected in accordance with Honeywell drawing 46188070-200.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G hazardous locations. T3 at 85°C maximum ambient. 42 Vdc max.

FM Intrinsic Safety Entropy Parameters⁽¹⁾	Class I, II, III, Division 1 and 2, Groups A - G
V _{Max} = 30 V	
I _{Max} = 100 mA	
P _{Max} = 1.2 W	
C _i = 28 nF	
L _i = 153 μH	Without Analog Meter Option ME
L _i = 303 μH	With Analog Meter Option ME

(1) Install in accordance with Honeywell drawing 46188070-200.

Canadian Standards Association (CSA)

C1C3 Explosion Proof for Class I, Division 1, Groups B, C & D. Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1; (Encl 4) hazardous locations. 45 Vdc max.

Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III, Divisions 1, T4 at 85°C maximum ambient. Connected in accordance with Honeywell drawings 46188070-201,

Suitable for Class I, II & III, Division 2, Groups A, B, C, D, E, F & G hazardous locations.

CSA Entity Parameters ⁽¹⁾ Class I, II, III, Division 1 and 2, Groups A - G	
$V_{Max} = 30\text{ V}$	
$I_{Max} = 225\text{ mA}$	
$P_{Max} = 1.2\text{ W}$	
$C_i = 28\text{ nF}$	
$L_i = 153\text{ }\mu\text{H}$	Without Analog Meter Option ME
$L_i = 303\text{ }\mu\text{H}$	With Analog Meter Option ME

(1) Install in accordance with Honeywell drawing 46188070-201.

CENELEC / INERIS Certification

E1D3 Flameproof (Zone 1, 2)
EEx d IIC T6 ($T_{amb} -20$ to 65°C)
 $17.7\text{ V} \leq V_{supply} (U_i) \leq 42\text{ V}$,
 $250\ \Omega \leq R_{load} (R_L) \leq 1340\ \Omega$,
Enclosure IP 66/67

E0D2 EEx ia IIC T3 or T4 or T5 or T6 at T_{amb} (See Table)
Intrinsically Safe (Zone 0, 1, 2)

CENELEC Intrinsic Safety Parameters	
$U_i = 30\text{ V}$	
$I_i = 100\text{ mA}$	
$P_i = 1.2\text{ W}$	
$C_i = 0$	
$L_i = 0$	With Meter Option SM
$L_i = 34\text{ }\mu\text{H}$	With Analog Meter Option ME

Temperature Code	Ambient Limits (T_{amb})
T3	-20 to 85°C
T4	-20 to 80°C
T5	-20 to 50°C
T6	-20 to 40°C

Zone 2 (Europe) Declaration of Conformity

N2T4 Electrical Apparatus With Type of Protection "n" per IEC 79-15.
Ex II 3 GD T6 X (Council Directive 94/9/EC)
 $-20 \leq T_{amb} \leq 85^\circ\text{C}$
 $U_i \leq 28\text{ V}$
 $I_i \leq 22\text{ mA}$
Enclosure IP 66/67

STT 3000 (STT250) Smart Temperature Transmitter

Factory Mutual (FM) Approval

1C Explosionproof for Class I, Division 1, Groups A, B, C & D.
Dust-Ignitionproof for Class II, Division 1, Groups E, F & G.
Suitable for Class III, Division 1. **(With integral meter option 0)**

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 85°C max. ambient when connected in accordance with Honeywell drawing 46188466-210.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G hazardous locations. 35 Vdc max.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

Factory Mutual (FM) Approval

1J Explosionproof for Class I, Division 1, Groups B, C & D.
Dust-Ignitionproof for Class II, Division 1, Groups E, F & G.
Suitable for Class III, Division 1. **(With integral meter option M or S)**

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III, Division 1, T4 at 85°C max. ambient, when connected in accordance with Honeywell drawing 46188466-201.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Classes II & III, Division 2, Groups F & G, hazardous locations. 35 Vdc max.

Environmental: Indoor and outdoor hazardous locations (NEMA 4X).

1G Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D, T4 at 85°C max. ambient, when connected in accordance with Honeywell drawing 46188466-201.

Nonincendive for use in Class I, Division 2, Groups A, B, C & D hazardous locations. 35 Vdc max.

FM Intrinsic Safety Entity Parameters ⁽¹⁾	Class I, II, III, Division 1 and 2, Groups A - G
$V_{Max} = 30\text{ V}$	
$I_{Max} = 165\text{ mA}$	
$P_{Max} = 1.2\text{ W}$	
$C_i = 17\text{ nF}$	
$L_i = 0$	With Integral Meter Option 0 or S
$L_i = 150\text{ }\mu\text{H}$	With Integral Meter Option M

(1) Install in accordance with Honeywell drawing 46188466-201.

Canadian Standards Association (CSA)

2J Explosion Proof for Class I, Division 1, Groups B, C & D.
Dust-Ignition-Proof for Class II, Division 1, Groups E, F & G; Class III, Division 1 hazardous locations. 35 Vdc max.

Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III, Divisions 1, T4 at 85°C maximum ambient. Connected in accordance with Honeywell drawings 46188466-202

Suitable for Class I, II and III, Division 2, Groups A, B, C, D, E, F and G hazardous locations

Environmental: Indoor and outdoor hazardous locations (Encl 4X)

2G Intrinsically Safe for use in Class I, Division 1, Groups A, B, C & D, T4 at 85°C max. ambient, when connected in accordance with Honeywell drawing 46188466-202.

Suitable for Class I, Division 2, Groups A, B, C & D hazardous locations. 35 Vdc max.

CSA Entity Parameters ⁽¹⁾ Class I, II, III, Division 1, Groups A - G	
$V_{Max} = 30\text{ V}$	
$I_{Max} = 165\text{ mA}$	
$P_{Max} = 1.2\text{ W}$	
$C_i = 17\text{ nF}$	
$L_i = 0$	With Integral Meter Option 0 or S
$L_i = 150\text{ }\mu\text{H}$	With Integral Meter Option M

(1) Install in accordance with Honeywell drawing 46188466-202.

CENELEC / LCIE Certification

- 3D** Flameproof (Zone 1, 2)
 EEx d IIC T6 (T_{amb} -50 to 80°C)
 (U_i) \leq 35V,
 Enclosure IP 66/67
- 3S** EEx ia IIC T4 or T5 or T6 at T_{amb} (See Table)
 Intrinsically Safe (Zone 0, 1, 2)

CENELEC Intrinsic Safety Parameters	
$U_i \leq 30$ V	
$I_i \leq 165$ mA	
$P_i \leq 1.2$ W	
$C_i = 0$	
$L_i = 0$	With Meter Option S
$L_i = 34$ μ H	With Analog Meter Option M
$U_o = 10.5$ V	
$I_o \leq 40$ mA	
$C_o \leq 330$ nF	
$L_o = 0$	
$C_{EXT} \leq 2$ μ F	
$L_{EXT} \leq 2$ mH	

Ambient Limits (T_{amb})	-50 to 85°C
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Temperature Code	Ambient Limits (T_{amb})
T4	-50 to 90°C
T5	-50 to 55°C
T6	-50 to 40°C

Zone 2 (Europe) Declaration of Conformity

- 3N** Electrical Apparatus With Type of Protection "n" per
 IEC 79-15.
 Ex II 3 GD T6 X (Council Directive 94/9/EC)
 $-50 \leq T_{amb} \leq 85^\circ\text{C}$
 $U_i \leq 28$ V
 $I_i \leq 22$ mA
 Enclosure IP 66/67