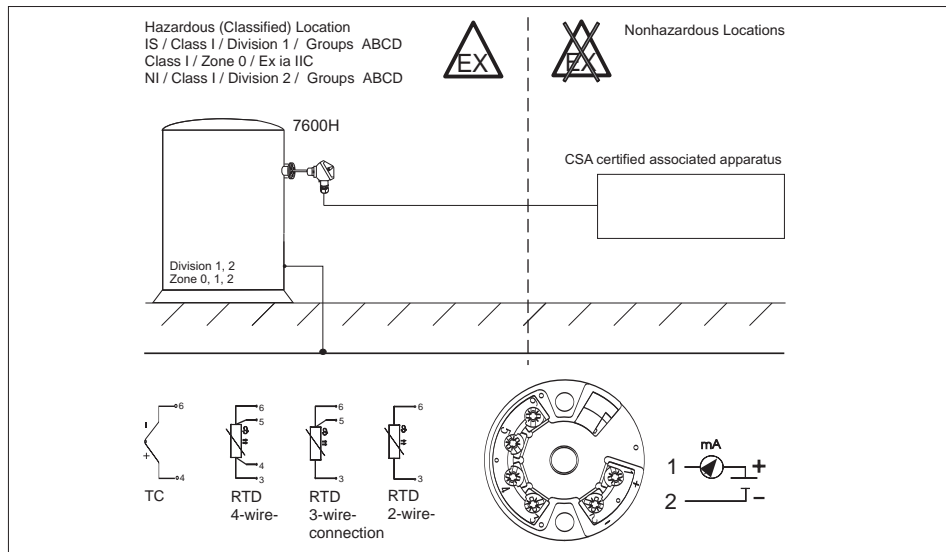


REV	ECO	REVISION DESCRIPTION	BY	APPROVED	DATE



**Installation Notes 7600H**

- CSA certified apparatus must be installed in accordance with manufacturer instructions.
  - CSA certified associated apparatus must meet the following requirements:  $U_o$  or  $V_{oc} \leq U_i$  or  $V_{max}$   
 $I_o$  or  $I_{sc} \leq I_i$  or  $I_{max}$   $P_o$  or  $P_{max} \leq P_i$  or  $P_{max}$   $C_a$  or  $C_o \geq C_i + C_{cable}$   $L_a$  or  $L_a \geq L_i + L_{cable}$
  - The installation must be in accordance with the Canadian Electrical Code.
  - Use supply wires suitable for 5°C above surrounding.
  - The product will be installed in a suitable enclosure accepted by local authority having jurisdiction.
  - The configuration of the transmitter 7600H is only permitted in nonhazardous locations.
  - The voltage of the "tools" used for configuration should not exceed  $U_m = 30$  V. This can be achieved e.g. by a battery powered laptop. An approved adapter with barrier has to be used for configuration using a PC with mains connection ( $U_m < 253$ V).
  - Terminals 3, 4, 5 and 6 provide Intrinsically safe and non-incendive circuits to RTD's, Thermocouples and other passive resistive devices.
  - Warning: Substitution of components may impair suitability for intrinsic safety and Class I, Division 2.
- NONINCENDIVE, FIELD WIRING Class I / Div. 2 / Groups ABCD / T4/T5/T6**
- Installation shall comply with wiring methods as per Canadian Electrical Code - Part 1.
  - CSA certified associated nonincendive or intrinsically safe apparatus must meet the following parameters:  
 $U_o$  or  $V_{oc} \leq U_i$  or  $V_{max}$   $C_a$  or  $C_o \geq C_i + C_{cable}$   $L_a$  or  $L_a \geq L_i + L_{cable}$
  - Warning: Do not disconnect equipment unless power has been switched off or the area is known to be nonhazardous.



7600H	INTRINSICALLY SAFE Class I / Div. 1 / Groups ABCD / T4/T5/T6 Class I / Zone 0 / Ex ia IIC / T4/T5/T6	NONINCENDIVE, FIELD WIRING Class I / Div. 2 / Groups ABCD / T4/T5/T6
Supply circuit (Terminals 1 and 2)	$V_{max} = U_i \leq 30$ VDC $C_i = 0$ $I_{max} = I_i \leq 100$ mA $L_i = 0$ $P_{max} = P_i \leq 750$ mW	$V_{max} = U_i \leq 30$ VDC $C_i = 0$ $L_i = 0$ $I_{max}^{*)}$ = not required Functional rating: $I_{normal} = 4$ to 20 mA
Sensor circuit (Terminals 3 until 6)	$V_{oc} = U_o \leq 8.2$ VDC $I_{sc} = I_o \leq 4.6$ mA $P = P_o \leq 9.35$ mW	
Max. Connecting Values Group A, B IIC (concentrative L, C Group C IIB e.g. cable) Group D IIA	$L_a = L_o = 4.5$ mH $C_a = C_o = 974$ nF $L_a = L_o = 8.5$ mH $C_a = C_o = 1900$ nF $L_a = L_o = 8.5$ mH $C_a = C_o = 1900$ nF	
Temperature range	T6 $T_a = -40^\circ\text{C} \dots +55^\circ\text{C}$ T5 $T_a = -40^\circ\text{C} \dots +70^\circ\text{C}$ T4 $T_a = -40^\circ\text{C} \dots +85^\circ\text{C}$	

<sup>\*)</sup> For this current controlled circuit, the parameter ( $I_{max}$ ) is not required and need not to be aligned with parameter ( $I_o$  or  $I_{sc}$ ) of the barrier or associated nonincendive field wiring apparatus.

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING		<p style="text-align: center;"><b>Weed Instrument Company, Inc.</b> Round Rock, Texas</p>				
TOLERANCES UNLESS OTHERWISE NOTED						TITLE
DECIMAL	FRAC	<p style="font-size: 1.2em;">CSA Control Drawing, 7600H</p>				
.XXX +/-	+/-					
.XX +/-	ANG					
.X +/-	+/-	FILE NAME	SIZE	CODE IDENT	DOC NO.	REV
		DRAFTER	<b>A</b>	<b>33969</b>	0014-001-0007	<b>0</b>
MATERIAL		ENGINEER	SCALE:	SHEET 1 OF 1		
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