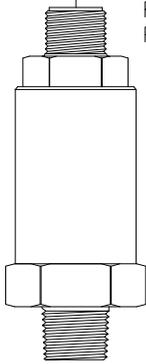


HAZARDOUS LOCATION  
CLASS I, DIVISION 1  
Group A, B, C, or D

NON-HAZARDOUS LOCATION

Intrinsic Safety  
Associated Apparatus

See Table below for  
electrical connections



UL Listed TURCK Inc. pressure transducer models:

PT **a b c** -4401-**d-e-f/g h**

PT **a b c** -4411-**d-e-f/g h**

**a** = Pressure rating in bar, KG/cm<sup>2</sup>, or psi

**b** = Pressure units B, K or P

**c** = Pressure measurement type A, G, V

**d** = Process connection 02, 03, 04, 05, 14, 15, 16, 17,  
18, 19, 20, or 21

**e** = Output type Li3, LU4, LU61, LU62, LU64, LU65, LU71 or LU72

**f** = Electrical connection H1141, VCS, MP150 or CA244

**g** = Wetted parts material D810 or D811

**h** = Cable length/units or blank

Entity Parameters

$$V_{max} = 15.5V$$

$$I_{max} = 175mA$$

$$C_i = 0.44\mu F$$

$$L_i = 0$$

Electrical Connections per Output Type

Electrical Connection Option Code Output Type Option Code	H1141				Wide Pin VCS				MP150			CA244			
	Pin1	Pin2	Pin3	Pin4	Pin1	Pin2	Pin3	Wide Pin	PinA	PinB	PinC	Red	Blk	Grn	Wht
Li3	V+	n/c	Gnd	n/c	n/c	Gnd	V+	n/c	Gnd	V+	n/c	V+	Gnd	na	na
LU4, LU61, LU62, LU64, LU65	V+	n/c	Gnd	S+	S+	Gnd	V+	n/c	Gnd	V+	S+	V+	Gnd	na	S+
LU71, LU72	V+	S+	S-	Gnd	S+	Gnd	V+	S-	na	na	na	V+	Gnd	S+	S-

The transducers depicted above are approved for installation in a Class I, Division 1, Group A, B, C, or D hazardous location when connected to associated apparatus as described in note 1.

Notes:

1. The associated apparatus must have entity parameters that meet the following requirements:

$$V_{oc} \text{ or } V_t \leq V_{max} \quad I_{sc} \text{ or } I_t \leq I_{max}$$

$$C_a \geq C_i + C_{cable} \quad L_a \geq L_i + L_{cable}$$

$I_{max}$  must be greater than the total current from the associated apparatus under any condition. This may be represented by  $I_{sc}$  or, in the case of multiple channel or multiple apparatus connections,  $I_{max}$ .

2. Associated apparatus must not be connected to any device that uses or generates in excess of 250Vrms.

3. Installation must be in accordance with the National Electrical Code, ANSI/NFPA 70, Article 504.

Drawing No.:

**IS-1.905**

**TURCK**  
3000 Campus Drive  
Plymouth, MN 55441  
Phone: (763) 553-7300

Title: Control Drawing for UL Listed Intrinsically Safe  
PT .. -44.1-.-.-/. Pressure Transducers

<b>A</b>	<b>Release</b>	<b>BVL</b>	<b>1/20/09</b>
<b>Rev</b>	<b>Description</b>	<b>Drft</b>	<b>Date</b>

Scale: **NONE**

Sheet **1** of **1**