

Safety Ratings

The MFT B-Series (5xx and 4xx models) has been approved by CSA for North American safety approvals, KEMA for ATEX and www.iecex.org. The safety label has four versions: one for the AC and one for the DC power case of the non-incendive or Ex nA rating and one for each of the Ex d version. While the safety label looks confusing there is a lot of application temperature flexibility to trade off ambient or process temperature against the Auto Ignition Temperature (AIT) of the potentially flammable gases. The safety label AIT has also been graphed, one for the process or sensor environment and one for the electronics or ambient environment.

Ex nA non-incendive Safety Rating, Zone 2 applications.

KURZ
INSTRUMENTS INC.
MONTEREY, CALIFORNIA

MODEL: [] OF []
S/N#: []
ITEM#: []
MFG DATE: []
MAX PRESSURE: [] P.S.I. / BARS

TYPE
4X/7
IP65

RATED INPUT = 24VDC, 1A
Ex nA IIC: CLASS I, DIV. 2, GROUPS ABCD
Electronics housing: -40°C to 50°C: T6 or to 65°C: T5
Sensing Element: -40°C to 55°C: T5 or to 130°C: T3
Effective Sensing Element Temp.: 70°C above Process Temp.

CE 0344 DO NOT OPEN WHEN A POTENTIALLY EXPLOSIVE ATMOSPHERE IS PRESENT LABEL 170284-01- REV. E MANUFACTURER KURZ INSTRUMENTS INC. Ex II 3 GD CSA US 155861

Ex nA safety label, DC power.

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INSTRUMENTS INC.
MONTEREY, CALIFORNIA

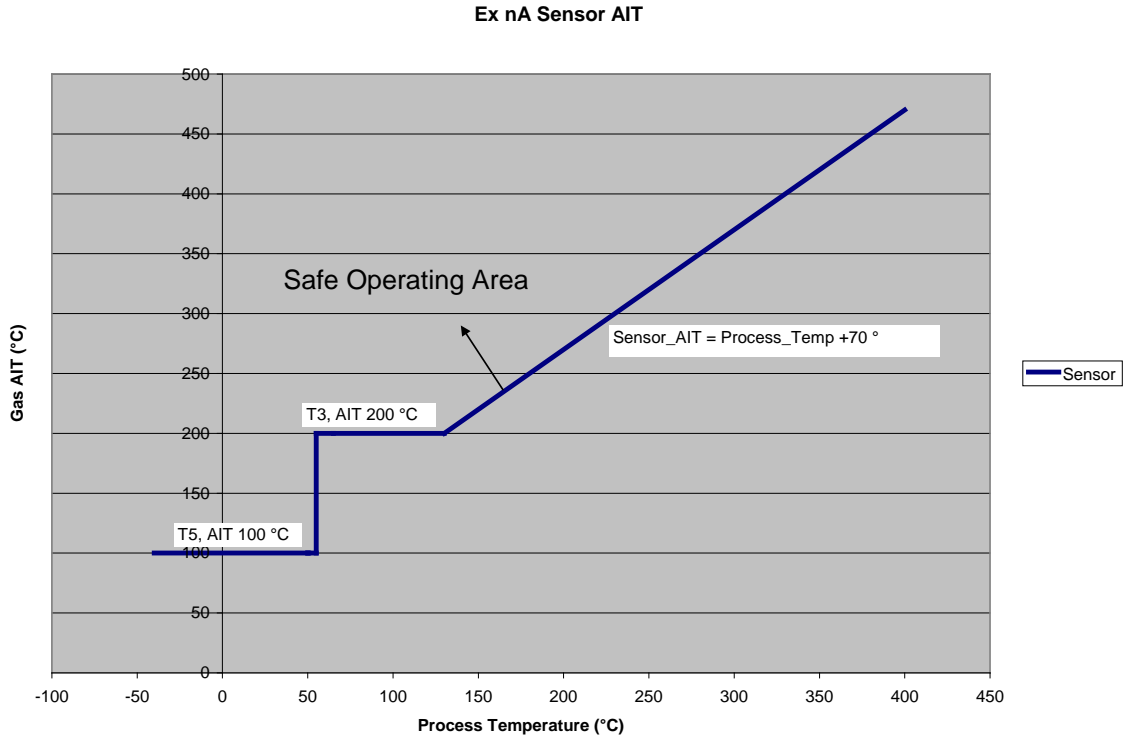
MODEL: [] OF []
S/N#: []
ITEM#: []
MFG DATE: []
MAX PRESSURE: [] P.S.I. / BARS

TYPE
4X/7
IP65

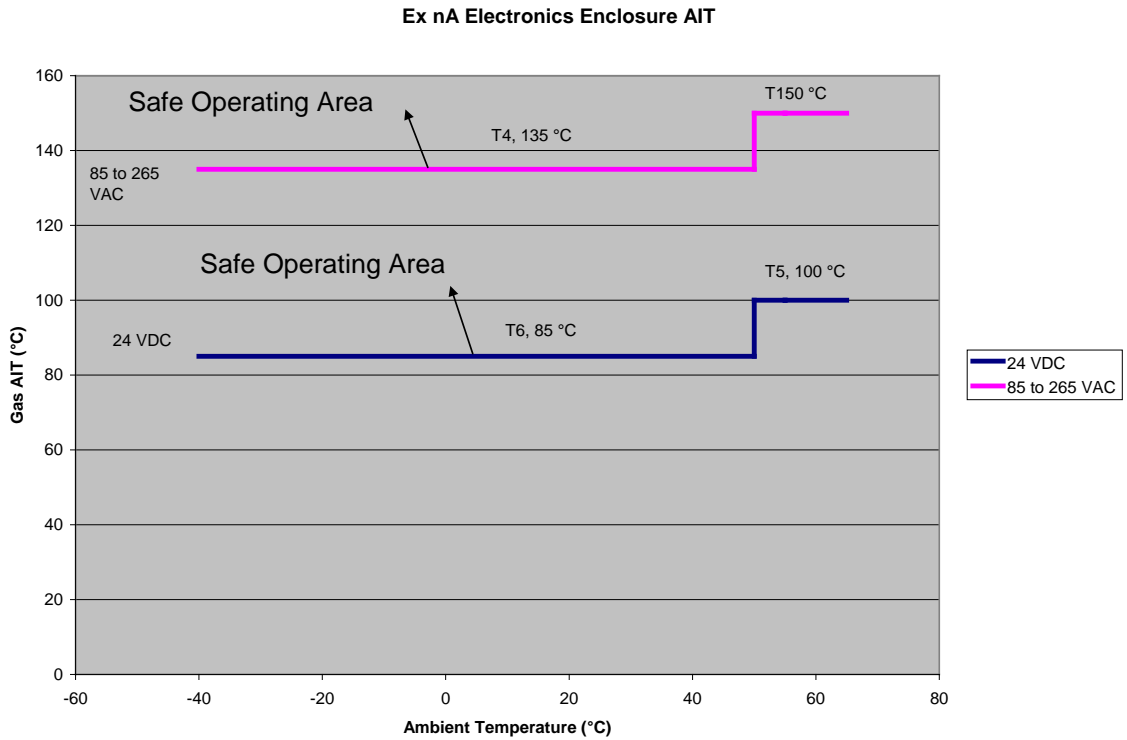
RATED INPUT ~ 85 to 264 VAC, 24W, 50-60Hz, PH1
Ex nA IIC: CLASS I, DIV. 2, GROUPS ABCD
Electronics housing: -40°C to 50°C: T4 or to 65°C: T150°C
Sensing Element: -40°C to 55°C: T5 or to 130°C: T3
Effective Sensing Element Temp.: 70°C above Process Temp.

CE 0344 DO NOT OPEN WHEN A POTENTIALLY EXPLOSIVE ATMOSPHERE IS PRESENT LABEL 170284-02- REV. E MANUFACTURER KURZ INSTRUMENTS INC. Ex II 3 GD CSA US 155861

Ex nA safety label for AC power







Ex n application, sensor AIT vs. **process temperature**.







Ex n application, electronics enclosure AIT vs. **ambient temperature**.

Ex d Flameproof safety rating, Zone 1 Applications.

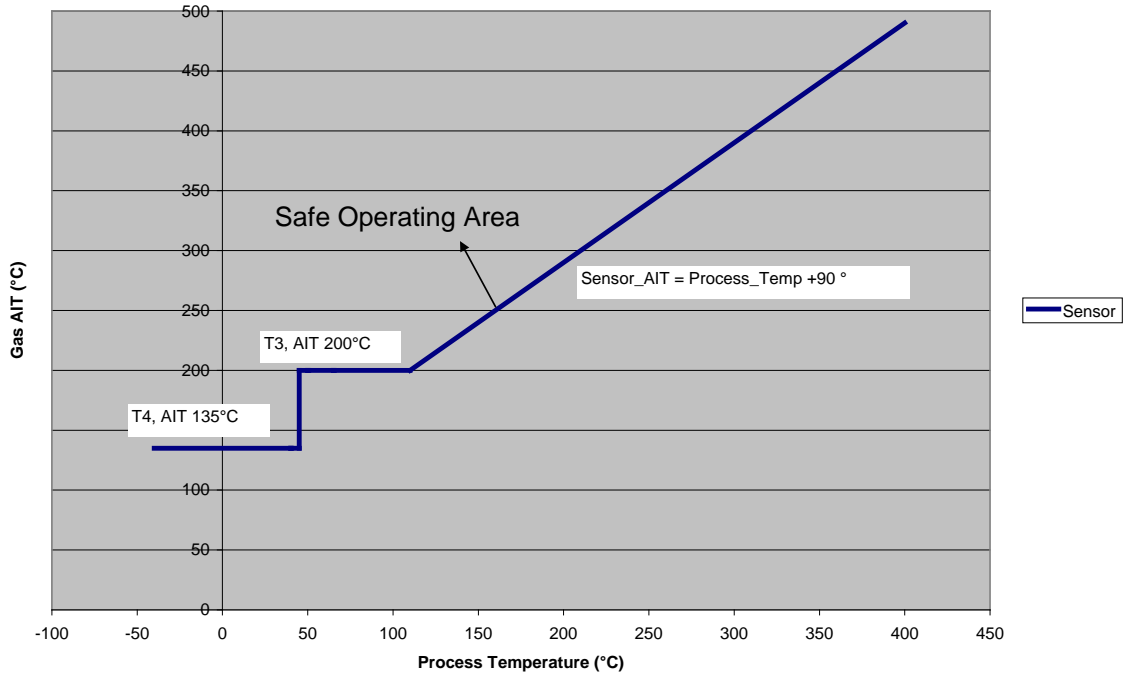
	MODEL:	[]	OF	
	S/N:			
	ITEM #:			
	MFG DATE:			
	MAX. PRESSURE:		P.S.I. / BARS	
TYPE 4 <input type="radio"/> IP66	RATED INPUT == 24 VDC, 1 A		<input type="radio"/>	
Ex d IIB + H ₂ T _x : Class I, Div. 1, Grp. ABCD, Class II, Div. 1, Grp. E, F & G Electronics Housing, T _a : -40°C to 40°C: T6 or to 65°C: T110°C Sensing Element, T _p : -40°C to 45°C: T4 or to 110°C: T3 Effective Sensing Element Temp.: 90°C above Process Temp.				
DO NOT OPEN WHEN A POTENTIALLY EXPLOSIVE ATMOSPHERE IS PRESENT				
	LABEL 170286-01- REV. F			
0344				155861

DC power Safety label for Ex d.

	MODEL:	[]	OF	
	S/N:			
	ITEM #:			
	MFG DATE:			
	MAX. PRESSURE:		P.S.I. / BARS	
TYPE 4 <input type="radio"/> IP66	RATED INPUT ~ 85 to 265 VAC, 24 W, 50-60 Hz, PH 1		<input type="radio"/>	
Ex d IIB + H ₂ T _x : Class I, Div. 1, Grp. ABCD, Class II, Div. 1, Grp. E, F & G Electronics Housing, T _a : -40°C to 50°C: T4 or to 65°C: T150°C Sensing Element, T _p : -40°C to 45°C: T4 or to 110°C: T3 Effective Sensing Element Temp.: 90°C above Process Temp.				
DO NOT OPEN WHEN A POTENTIALLY EXPLOSIVE ATMOSPHERE IS PRESENT				
	LABEL 170286-02- REV. F			
0344				155861

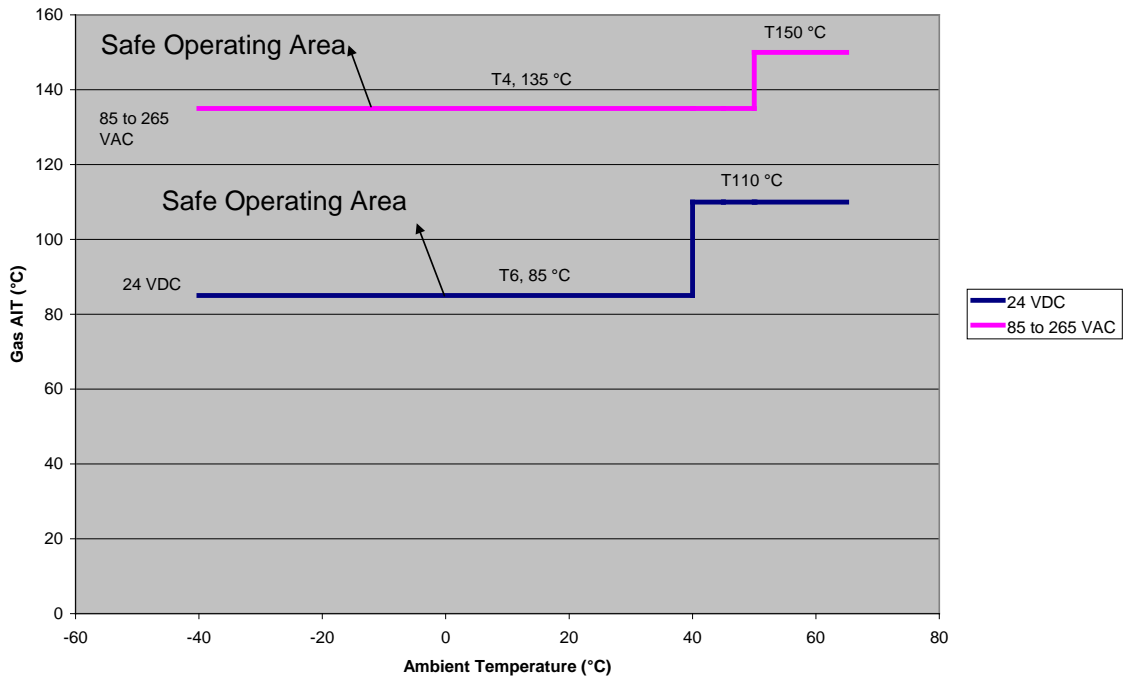
AC power safety label for Ex d.

Ex d Sensor AIT



Ex d application, Sensor AIT vs. **process temperature**.

Ex d Electronics Enclosure AIT



Ex d application, electronics enclosure AIT vs. **ambient temperature**.

Customer Service

If you are having trouble with the installation or operation of the flow meter you can contact your local Kurz representative who sold you the equipment or the Kurz Factory.

Kurz Factory Support

Customer Service
Kurz Instruments Inc.
2411 Garden Road
Monterey, CA 93940
831-646-5911
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www.kurzinstruments.com