

Total Sensor Solutions

#### **ORDERING INFORMATION - MODEL IS80C**

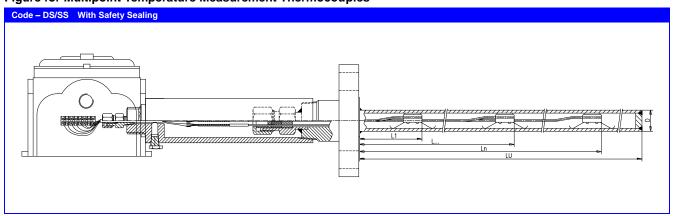
	IG INFORMATION - MODEL IS80C						
Model IS80C	Product Description Series IS80C Safety Sealing Multipoint Thermocouple with Thermowell -Insert with Mineral Insulation – Acc. to IEC 60584						
Code	Series IS80C Safety Sealing Multipoint Thermocouple with Thermowell -Insert with Mineral Insulation – Acc. to IEC 60584  Explosion Proof Rating						
1	Standard						
2	EEx d IIC T6 Flameproof Approval acc. EN 50018						
3	EEx ia IIC T6 Intrinsically Safety acc. EN 50020						
Code	Sensor Type	Temperature Range [°C]					
K	K : NiCr-NiSi	0 to +1200					
N	N : NiC rSi-NiSi	0 to +1260					
J	J : Fe-CuNi	0 to +750					
T	T : Cu-CuNi E: NiCr-CuNi	-180 to +400					
E X	E: NICF-CUNI Other	-200 to +900					
Code	Number of Measurement Points						
02	2						
03	3						
04	4						
05	5						
06	6						
XX Code	Other Precision Class	Toloronos KN LE	Tolerance- T				
1	Class 1	Tolerance- K,N,J,E ±1.5 °C or ±0.0040  t   °C	±0.5 °C or ±0.0040  t   °C				
2	Class 2	±2.5 °C or ±0.0075  t   °C	±1.0 °C or ±0.0075  t   °C				
Code	Number of Elements						
12	Single						
22	Double						
Code	Measuring Junction Type						
U	Insulated						
X	Other						
Code A10	Sheath Material AISI 316 (DIN1.4401) for Type J, T, E						
A10 A22	INCONEL 600 (DIN2.4816) for Type K, N						
A35	Pyrosil, For Type K,N						
XXX	Other						
Code	Assembly Type						
DS	Double Safety Sealing with Thermowell Assembly						
SS	Single Safety Sealing with Thermowell Assembly						
XX	Other	ID Darbara					
Code G	Connection Enclosure Type  GUB Standard Series Stainless Steel Junction Box	IP Rating 67					
E	GUB EEx'd/e Series Aluminium Junction Box	67					
X	Other	o.					
Code	Wire Entry						
NI4	1/2" NPT F						
N1							
N2	3/4" NPT F						
N2 N3	3/4" NPT F 1" NPT F						
N2 N3 N4	3/4" NPT F 1" NPT F 1-1/2" NPT F						
N2 N3 N4 N5	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F						
N2 N3 N4 N5 XX	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other						
N2 N3 N4 N5	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F						
N2 N3 N4 N5 XX Code	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other Number of Wire Entry						
N2 N3 N4 N5 XX Code 01 02 03	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry 1 2 3						
N2 N3 N4 N5 XX Code 01 02 03 04	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4						
N2 N3 N4 N5 XX Code 01 02 03 04 XX	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry 1 2 3 4 Other						
N2 N3 N4 N5 XX Code 01 02 03 04 XX	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry 1 2 3 4 Other  Process Connection Size						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry 1 2 3 4 Other  Process Connection Size 1"						
N2 N3 N4 N5 XX Code 01 02 03 04 XX	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry 1 2 3 4 Other  Process Connection Size						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other Number of Wire Entry 1 2 3 4 Other Process Connection Size 1" 1-1/2"						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2 U3 U4 U5	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry 1 2 3 4 Other  Process Connection Size 1" 1-1/2" 2" 3" 4"						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2 U3 U4 U5 U6	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5"						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2 U3 U4 U5 U6 U7	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6"						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2 U3 U4 U5 U6 U7 XX	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other						
N2 N3 N4 N5 XX  Code 01 02 03 04 XX  Code U1 U2 U3 U4 U5 U6 U7 XX  Code	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other						
N2 N3 N4 N5 XX  Code 01 02 03 04 XX  Code U1 U2 U3 U4 U5 U6 U7 XX  Code P1	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating ANSI 150 LBS						
N2 N3 N4 N5 XX  Code 01 02 03 04 XX  Code U1 U2 U3 U4 U5 U6 U7 XX  Code P1 P2	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating ANSI 150 LBS ANSI 300 LBS						
N2 N3 N4 N5 XX  Code 01 02 03 04 XX  Code U1 U2 U3 U4 U5 U6 U7 XX  Code P1	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating ANSI 150 LBS						
N2 N3 N4 N5 XX  Code 01 02 03 04 XX  Code U1 U2 U3 U4 U5 U6 U7 XX  Code P1 P2 P3	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry 1 2 3 4 Other  Process Connection Size 1" 1-1/2" 2" 3" 4" 5" 6" Other Flange Rating ANSI 150 LBS ANSI 300 LBS ANSI 600 LBS						
N2 N3 N4 N5 XX  Code 01 02 03 04 XX  Code U1 U2 U3 U4 U5 U6 U7 XX  Code P1 P2 P3 P4 P5 P6	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating  ANSI 150 LBS ANSI 300 LBS ANSI 900 LBS ANSI 900 LBS ANSI 1500 LBS						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2 U3 U4 U5 U6 U7 XX Code P1 P2 P3 P4 P5 P6 Code	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating  ANSI 150 LBS ANSI 300 LBS ANSI 900 LBS ANSI 900 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 2500 LBS Flange Finish						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2 U3 U4 U5 U6 U7 XX Code P1 P2 P3 P4 P5 P6 Code RF	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating ANSI 150 LBS ANSI 300 LBS ANSI 900 LBS ANSI 900 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 2500 LBS Flange Finish Raise Face						
N2 N3 N4 N5 XX  Code 01 02 03 04 XX  Code U1 U2 U3 U4 U5 U6 U7 XX  Code P1 P2 P3 P4 P5 P6 Code RF FF	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating ANSI 150 LBS ANSI 300 LBS ANSI 900 LBS ANSI 900 LBS ANSI 900 LBS ANSI 1500 LBS ANSI 2500 LBS Flange Finish Raise Face Flat Face						
N2 N3 N4 N5 XX Code 01 02 03 04 XX Code U1 U2 U3 U4 U5 U6 U7 XX Code P1 P2 P3 P4 P5 P6 Code RF	3/4" NPT F 1" NPT F 1-1/2" NPT F 2" NPT F Other  Number of Wire Entry  1 2 3 4 Other  Process Connection Size  1" 1-1/2" 2" 3" 4" 5" 6" Other  Flange Rating ANSI 150 LBS ANSI 300 LBS ANSI 900 LBS ANSI 900 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 1500 LBS ANSI 2500 LBS Flange Finish Raise Face						



Total Sensor Solutions

Codo	Material of Drange connection and Thermough
Code A10	Material of Process connection and Thermowell
	AIS1 316(DIN1.4401)
A11	AISI 316Ti(DIN1.4571)
A12	AISI 316L(DIN1.4404)
A14	AISI 321(DIN1.4541)
A15	AISI 314(DIN1.4841)
A16	AISI 347(DIN1.4550)
A18	AISI 310(DIN1.4845)
A20	AISI 446(DIN1.4762)
A22	INCONEL 600(DIN2.4816)
A23	INCOLOY 800(DIN1.4876)
A24	Hastelloy C-276
A25	Hastelloy B
A26	Hastelloy C-4
A27	Monel 400
A28	Duplex
XXX	Other
Code	Insertion Length, LU [mm]
01000	1000
02000	2000
03000	3000
XXXXX	Other
Code	Extension Length, N [mm]
300	300
350	350
XXX	Other
Code	Thermowell Outer Diameter, D [inch]
D18	1/8"
D38	3/8"
D48	1/2"
D68	3/4"
D88	1"
D98	1-1/2"
XXX	Other
Code	Insert Diameter, d [mm]
30	3
45	4.5
60	6
80	8
X	Other
Code	Measurement Point Position, L1 to Ln
А	Equally Distributed Points (last point placed 50mm from bottom of thermowell)
В	Customer Specified - Configuration Date Sheet Required
Code	Additional Options
G	Cable Gland
V	Leak Check Valve and Pressure Gauge
X	Other
	del Number: IS80C 3 K 06 1 12 U A22 DS G N3 02 U4 P5 RJ A11 03000 300 D88 30 B G
- Jprour mo	40 TANDOT 1000 TO 1 TO 1 TO 1 TO 1 TO 1 TO 1 TO

#### **Figure for Multipoint Temperature Measurement Thermocouples**





# **Model IS80C Multipoint Thermocouples Configuration Date Sheet**

## Please Copy This Form, Complete it as Our Required, and Attached to Your Order

	Customer	Nan	ne:					
	Address:							
	Contact P	erso	n:					
	Phone:				Fax:			
	Date:							
Spe	ecification	ı Fo	r Orde					
	Enclosure	qvT	е					
			Selected as Stand	ard Option in Mode				
			Special Requimen					
	Wire Entry	,						
	vviie Liiti)			ard Option in Mode				
			Special Requimen	t:				
	Th	. 11 0	Element Meterial					
	Inermowe	ell & □	Flange Material Selected as Stand	ard Option in Mode	el Structure			
				-				
	Thermowe	ell Di		ard Option in Mode	N Structure			
				-				
	Process Connection							
			Selected as Stand					
		_	Special Regulitori					
	Measurement point Position Distribution							
			Selected as Stand	ard Option in Mode				
			opeciai kequimen	l				

Management Daint	Ton No	Dieteres from Flores Fore was	Townserstone Bones :0
Measurement Point	Tag No.	Distance from Flange Face, mm	Temperature Range, °C
L1			
L2			
L3			
L4			
L5			
L6			
L7			
L8			
L9			
L10			
L11			
L12			
L13			
L14			
L15			
L16			
L17			
L18			
L19			
L20			



# Model IS80C Multipoint Thermocouples Configuration Date Sheet

## Please Copy This Form, Complete it as Our Required, and Attached to Your Order

	Customer No Address: Contact Pers Phone: Date:					Fax:	per of Pag	_		
Spec	ification F	or Orde								
	Enclosure Ty	Selected	l as Standard Requiment:_	•						
,	Wire Entry □		d as Standard Requiment:_	l Option in	Model Stru	ıcture				
	Thermowell	Selected	aterial I as Standard Requiment:_							
	Thermowell	Selected	d as Standard Requiment:_							
	Process Cor	Selected	d as Standard Requiment:_							
	Measureme	Selected	tion Distribut as Standard Requiment:_	Option in						

Management Daint	Ton No	Dieteres from Flores Fore was	Townserstone Bones :0
Measurement Point	Tag No.	Distance from Flange Face, mm	Temperature Range, °C
L1			
L2			
L3			
L4			
L5			
L6			
L7			
L8			
L9			
L10			
L11			
L12			
L13			
L14			
L15			
L16			
L17			
L18			
L19			
L20			