BAPI-Stat 3™ Room Unit

Humidity & Combination Temp/Humidity Sensors



Membrane Pushbuttons for Wipedown Cleaning

Features & Options

- Designed for Operating Rooms and Clean Rooms
- Large Easy-to-Read Display
- Humidity Only or Combination Temp./Humidity
- Membrane Pushbuttons for Wipedown Cleaning
- Adjustable Temp and Humidity Setpoints and Override
- Wide Selection of Temperature Sensors
- 2% RH Accuracy
- Two Year Warranty



BAPI-Stat 3 Units with Gray & Off White Keypads (shown with optional humidity setpoint)

The BAPI-Stat 3 is designed for operating rooms, clean rooms and elder care facilities. It features an easy-to-read display and membrane pushbuttons for wipedown cleaning. It is available as a temperature sensor alone or as a combination temperature/humidity sensor. Depending upon the options selected, the BAPI-Stat can display room temperature, room humidity, temperature setpoint, humidity setpoint and override status.

The unit includes a number of field adjustments including $^{\circ}F$ or $^{\circ}C$ display, temp. offset (± 5 $^{\circ}F$ or $^{\circ}C$ in increments of 0.1°), RH offset ($\pm 5\%$ in increments of 0.1%), or setpoint lockout (which disables the setpoint pushbuttons). The display can also be set to show a large temperature and small RH, a large RH and a small temperature, or to alternate between these settings every 5 seconds.

This unit can be configured with up to four transmitted variables. Contact your BAPI representative for details.

The BAPI-Guard

- Prevents Tampering and Unauthorized Adjustment
- Exceptional Airflow
- Available in Two Sizes

(See Accessories for more info.)



For detailed specs on the individual Sensors & Transmitters, turn to the Sensors section.

Specifications

Power: 10 to 35 VDC (15 to 24 VDC recommended) for 4 to 20 mA or 0 to 5 VDC Outputs

15 to 35 VDC (15 to 24 VDC recommended) for 0 to 10 VDC Output

12 to 28 VAC (Requires a separate pair of shielded wires) for 0 to 5 VDC Outputs 15 VAC to 28 VAC (Requires a separate pair of shielded wires) 0 to 10 VDC Output

Power Consumption:

60 mA max. DC: 4 to 20 mA or 0 to 5 VDC Outputs

10 mA max. DC: 0 to 10 VDC Output 1.44 VA max. AC: 0 to 5 VDC Outputs 0.2 VA max. AC: 0 to 10 VDC Output

RH/Temp Sensor Construction: Communicating Integrated Circuit

Humidity: Capacitive Polymer.

±2% RH (10% to 90%) @25°C, Fully Compensated

Temperature: Semi-conductor Band Gap, $\pm 0.3^{\circ}$ C @ 25°C **Optional Direct Temp. Sensor**: Therm., RTD or Semi-conductor

Mounting: 2" by 4" J-box or drywall mount - screws provided

Environmental Specifications:

Temperature: 32 to 122 °F (0 to 50 °C) Humidity: 0 to 95%, non-condensing 3.50in [88.9mm] [26.9mm] [1.06in [26.9mm]] [1.06in [26.9mm]] [26.9mm] [1.06in [26.9mm]] [26.9mm] [26.9mm]

Wiring: 2 to 4 pair of 16 to 22 AWG* Material: ABS Plastic - UL 94, V-0

^{*}BAPI recommends that you do not run wiring for Room Units in the same conduit as line voltage wiring or with wiring used to supply highly inductive loads such as motors, generators and coils.





/BS3									tion	
	Tempera	ture Displa	y Mode							
			Displayed ir							
			Displayed ir							
							erature only u			
	2					_	(i.e. ±2% R	,	ina at a	hartal
		-0 T		ture Output			e range option	ons. (See i	inset c	narts)
		-0 T		ture Output		ш				
		-2 T		Output, Ten		e 4 - 20	0 mA			
		-3 T	Setpoint	Output, Ten	nperatur	e 0 - 5	V			
			Setpoint	Output, %R	H 4 - 20	mΑ				
				Output, %R		'				
		-6 T		ture Output		0 11	01./			
		-7 T		Output, Ten			UV			
		-0 /		Output, %R			olders for the	range ont	ione	(See inset charts)
				# 2" - 1 , rr # %RH Ou				range opt	юпъ.	(OCC INSCI CHARIS)
				WRH Ou						
			-12 T				rature 4 - 20) mA		
			-13 <i>T</i>	Setpoint	Output,	Tempe	rature 0 - 5			
				H Setpoint						
				H Setpoint			0 - 5 V			
			-16 <i>I</i>	WRH Ou			rature 0 - 10) \/		
				Setpoint Setpoint				. v		
			-10 /					84 -T H	R an	e placeholders for range options. (See inset charts)
				-20 T						esistive w/ Override (DF is wired to Channel 3 & 4)
				-22 I						w/ Override (DF is wired to Channel 3 & 4)
				-24 T	RG	Setp	oint Output,	Temperatu	ure Re	esistive w/o Override (DF is wired to Channel 3 & 4)
				-25 T						tage w/o Override (Common Ground required)
										w/o Override (DF is wired to Channel 3 & 4)
0 11 1	D									/o Override (Common Ground required)
ignator	Range De Output		Span	-28 -29						>High Ω] (DF is wired to Channel 3 & 4) (Common Ground required)
00	0 to		Volts	-23			onal Overric			
01	1 to		Volts							th4 (If the unit is DF, use terminals CH3 & CH4)
02	3.7 to 5 to		85 Volts Volts			-61				th5 [Temp - Temp]
04	4.2 to	1.2 V	Volts							Ch 5 (if resistive sensor required)
10	0 to	10 V 1) Volts							TD, 100 Ω @ 0 °C, 0.385 Ω/°C temp. coeff.
20	889 to	111 Ω	778Ω					I1K Platini	um RT	
21	792 to	208 O	584Ω							TD, 1,000 Ω @ 0 °C, 3.75 Ω/°C temp. coeff.
								1K Ω Nicl	kel RT	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff.
22		305 Ω	390Ω				-1	1K Ω Nick 1K Platini	kel RT um RT	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff.
23 24	695 to 674 to 597 to	305 Ω 274 Ω					-1 -2	1K Ω Nick 1K Platinu 2K Silicon	kel RT um RT n RTD,	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. , 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff.
23 24 25	674 to 597 to 800 to	305 Ω 274 Ω 305 Ω 1200	390Ω 400Ω 292Ω 400Ω				-1 -2	1K Ω Nick 1K Platinu 2K Silicon 1.8K The	kel RT um RT n RTD, rmistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff.
23 24	674 to 597 to	305 Ω 274 Ω 305 Ω 1200 1309	390Ω 400Ω 292Ω	T = Tempe			-1 -2 -18 -3	1K Ω Nick 1K Plating 2K Silicon 1.8K The 3K Therm	kel RT um RT n RTD, rmistor,	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. , 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. r, 1,800 Ω @ 25 °C
23 24 25 26	674 to 597 to 800 to 909 to	305 Ω 274 Ω 305 Ω 1200 1309 2200	390Ω 400Ω 292Ω 400Ω		rature, Ou ay Range		-1 -2 -18 -3 -33	1K Ω Nick 1K Plating 2K Silicon 1.8K Them 3K Therm 3.3K The	kel RT um RT n RTD, rmistor nistor, rmistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 1, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C
23 24 25 26 27 28	674 to 597 to 800 to 909 to 1800 to 866 to	305 Ω 274 Ω 305 Ω 1200 1309 5 2200 11286	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 1 kΩ	Displ	ay Range	°C 3 to +3	-1 -2 -18 -3 -33 -102 -103	1K Ω Nick 1K Plating 2K Silicon 1.8K Them 3K Them 3.3K Them 10K-2 Th 10K-3 Th	kel RT um RT n RTD, rmistor, istor, rmistor ermistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. , 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. , 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C r, 3,300 Ω @ 25 °C or, 10,000 Ω @ 25 °C or, 10,000 Ω @ 25 °C
23 24 25 26 27 28 40 41	674 to 597 to 800 to 909 to 1800 to 6 to 500 to 500 to	305 Ω 274 Ω 305 Ω 1200 1309 5 2200 11286 1 kΩ 1500 Ω	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ	P	ay Range	°C 3 to +3 5 to +5	-1 -2 -18 -3 -33 -102 -103 -10311	1K Ω Nick 1K Platint 2K Silicor 1.8K Ther 3K Therm 3.3K Ther 10K-2 Th 10K-3 Th 10K-3[11]	kel RT um RTD, rmistor nistor, rmistor ermistor ermistor ermistor K] The	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 7, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 8, 23 000 Ω @ 25 °C 10, 10,000 Ω @ 25 °C
23 24 25 26 27 28	674 to 597 to 800 to 909 to 1800 to 866 to	305 Ω 274 Ω 305 Ω 1200 1309 5 2200 11286 1 kΩ 1500 Ω 3 kΩ	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ 1 kΩ	Displ *F A -3 to +3 B -5 to +5 C 50 to 90 D 55 to 85	ay Range 	°C 3 to +3 5 to +5 to 32 °C to 30 °C	-1 -2 -18 -3 -33 -102 -103 -1031 -20	1K Ω Nick 1K Platini 2K Silicon 1.8K Ther 3K Therm 3.3K Ther 10K-2 Th 10K-3 Th 10K-3[11I 20K Ther	kel RT um RTD, rmistor, rmistor, rmistor ermistor ermistor K] The mistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 1, 1,800 Ω @ 25 °C 13,000 Ω @ 25 °C 1, 3,300 Ω @ 25 °C 1, 3,000 Ω @ 25 °C 1, 1,000 Ω @ 25 °C 1, 2,000 Ω @ 25 °C 1, 2,000 Ω @ 25 °C 1, 2,000 Ω @ 25 °C
23 24 25 26 27 28 40 41 42 43	674 to 597 to 800 to 909 to 1800 to 500 to 249 to 10 to 500 to 10 to 500 to 10 to 500	305 Ω 274 Ω 305 Ω 1200 1309 0 2200 11286 1 kΩ 1500 Ω 3 kΩ 1249 Ω 11 kΩ	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ 1 kΩ 1 kΩ	Displ *F A -3 to +3 B -5 to +5 C 50 to 90 D 55 to 85 E 60 to 80	ay Range	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C	-1 -2 -18 -3 -33 -102 -103 -10311 -20 -50	1K Ω Nick 1K Platinu 2K Silicor 1.8K Therm 3.3K Therm 3.3K Ther 10K-2 Th 10K-3 Th 10K-3[11] 20K Ther 50K Ther	kel RT um RTD rmistor, rmistor, rmistor ermistor ermistor K] The mistor mistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 1, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C T, 3,300 Ω @ 25 °C T, 10,000 Ω @ 25 °C T, 10,000 Ω @ 25 °C T, 10,000 Ω @ 25 °C T, 2,2000 Ω @ 25 °C T, 2,000 Ω @ 25 °C
23 24 25 26 27 28 40 41 42 43 44 45	674 to 597 to 800 to 909 to 1800 to 500 to 249 to 12.5K-1	305 Ω 274 Ω 305 Ω 1200 1309 0 2200 11286 1 kΩ 1500 Ω 3 kΩ 1249 Ω 11 kΩ 1.5K Ω	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ	Displ *F A -3 to +3 B -5 to +5 C 50 to 90 D 55 to 85	ay Range	°C 3 to +3 5 to +5 to 32 °C to 30 °C	-1 -2 -18 -3 -33 -102 -103 -10311 -20 -50 -100	1K Ω Nick 1K Platinu 2K Silicor 1.8K Therm 3.3K Therm 3.3K Therm 10K-2 Th 10K-3 Th 10K-3[11] 20K Therm 50K Therm 100K Therm	kel RT um RTD n RTD, rmistor, rmistor ermistor ermistor K] The mistor mistor ermistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 1, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C 7, 10,000 Ω @ 25 °C or, 5,238 Ω @ 25 °C, 11kΩ shunt resistor 20,000 Ω @ 25 °C or, 100,000 Ω @ 25 °C or, 100,000 Ω @ 25 °C
23 24 25 26 27 28 40 41 42 43 44 45 46	674 to 597 to 800 to 909 to 1800 to 500 to 249 to 12.5K-1	305 Ω 274 Ω 305 Ω 1200 1309 2200 11286 11 kΩ 1500 Ω 3 kΩ 1249 Ω 11 kΩ 11.5K Ω 10 Ω	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ 1 kΩ 1 kΩ	Displ F A -3 to +3 B -5 to +5 C 50 to 90 D 55 to 80 F 65 to 80 G 45 to 96 J 68 to 78	2 Range	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 35 °C to 26 °C	-1 -2 -18 -3 -33 -102 -103 -10311 -20 -50 -100 -592 -592	1K \(\Omega\) Nick 1K Platini 2K Silicor 1.8K Ther 3K Ther 3.3K Ther 10K-2 Th 10K-3 Th 10K-3 [11] 20K Ther 50K Ther 100K The AD592 Se	kel RT um RT n RTD, rmistor, inistor, rmistor ermistor ermistor mistor mistor ermistor ermistor ermistor ermistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 7, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 8, 23,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 50,000 Ω @ 25 °C 1, 50,000 Ω @ 25 °C 1, 10,000 Ω @ 25 °C
23 24 25 26 27 28 40 41 42 43 44 45 46 47	674 to 597 to 800 to 1800 to 1800 to 1800 to 2 to 249 to 12.5K-1 1K to 182 to	305 Ω 274 Ω 305 Ω 1200 1309 5 2200 141286 1 KΩ 1500 Ω 3 KΩ 1249 Ω 111 KΩ 1.5K Ω 10 Ω	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ	Displ	ay Range	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 35 °C to 26 °C to 35 °C	-1 -2 -18 -3 -33 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nick 1K Platini 2K Silicor 1.8K Ther 3K Ther 3.3K Ther 10K-2 Th 10K-3 Th 10K-3[11] 20K Ther 50K Ther 10K Ther 10K Ther 10K Ther 10K Ther	kel RT um RT n RTD, rmistor, inistor, rmistor ermistor ermistor mistor mistor ermistor ermistor ermistor ermistor ermistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 7, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 8, 23,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 50,000 Ω @ 25 °C 1, 50,000 Ω @ 25 °C 1, 10,000 Ω @ 25 °C
23 24 25 26 27 28 40 41 42 43 44 45 46	674 to 597 to 800 to 909 to 1800 to 866 to 500 to 2 to 249 to 10 to 12.5K-1 1K to	305 Ω 274 Ω 307 Ω 274 Ω 308 Ω 1200 1309 0 2200 11286 1 kΩ 1500 Ω 318 Ω	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ 5 kΩ 5 kΩ	Displ	2F 10 2F 18 2F 21	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 26 °C to 28 °C to 23 °C 2 to +2	-1 -2 -18 -3 -33 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nicl 1K Platinus 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-2 Th 10K-3 Th 10K-3 [11] 20K Ther 100K Ther 4D592 Sc Coptional -C11L	kel RT um RT n RTD, rmistor ermistor ermistor mistor mistor mistor mistor ermistor	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 1, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 1, 3,300 Ω @ 25 °C 10,000 Ω
23 24 25 26 27 28 40 41 42 43 44 45 46 47	674 to 597 to 800 to 800 to 800 to 800 to 866 to 1800 to 2 to 249 to 10 to 12.5K-1 1K to 182 to 0 to 10 to 0 to 10	305 Ω 274 Ω 305 Ω 1274 Ω 305 Ω 1200 1309 2 0 2200 11286 1 kΩ 1500 Ω 33 kΩ 1249 Ω 111 kΩ 1.5K Ω 10 Ω 1182 Ω 5 kΩ 2.87kΩ	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ 1 kΩ 5 kΩ 5 kΩ	Displ	2F 10 2F 18 2F 21	°C 3 to +3 5 to +5 5 to 32 °C to 27 °C to 27 °C to 26 °C to 26 °C to 27 °C to 26 °C to 27 °C to 26 °C to 27 °C	-1 -2 -18 -3 -33 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nicl 1K Platinu 2K Silicor 1.8K Thet 3.3K Thet 3.3K Thet 10K-2 Th 10K-3 Th 10K-3 Th 10K-3 [11] 20K Ther 50K Ther 100K The AD592 St External 3 Optional -C11L -C11LT	kel RT um RT n RTD, rmistor istor, rmistor ermistor ermis	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 7, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C 7, 10,000 Ω @ 25 °C
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 51	674 to 597 to 800 to 597 to 800 to 800 to 1800 to 1800 to 1800 to 1800 to 1900	305 Ω 274 Ω 305 Ω 274 Ω 305 Ω 1200 1200 1200 12286 1180 12500 1180 1180 1180 1180 1180 1180 1180 1	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ	Pispl PF A -3 to +3 B -5 to +5 C 50 to 90 D 55 to 85 E 60 to 80 F 65 to 80 G 45 to 95 K 65 to 95 L 70 to 74 P -2 to +2 X 40 to 80	ay Range	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 35 °C to 26 °C to 28 °C	-1 -2 -18 -3 -33 -102 -10311 -20 -50 -100 -592 -ES	1K Ω Nicl 1K Platinut 2K Silicor 1K Platinut 2K Silicor 1.8K Them 3.3K Them 3.3K Them 10K-2 Th 10K-3[11] 20K Ther 50K Ther 100K The 100K The AD592 Se External \$ Optional -C11L -C11LT -C35L	kel RT um RT n RTD, rmistor istor, rmistor ermistor ermis	D, 1,000 Ω @ 21°C, 5 Ω /°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω /°C temp. coeff. 2,2000 Ω @ 20 °C, 8 Ω /°C temp. coeff. 7,1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7,3,300 Ω @ 25 °C 7,10,000 Ω @ 25 °C 8,20,000 Ω @ 25 °C 8,20,000 Ω @ 25 °C 8,50,000 Ω @ 25 °C
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 51 60 61 62	674 to 597 to 597 to 597 to 597 to 597 to 590 to 59	305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 1200 1200 1200 120	3900 4000 4000 4000 4000 4000 4000 4000	Displ	ay Range	°C 3 to +3 5 to +5 to 32 °C to 27 °C to 27 °C to 35 °C to 28 °C to 23 °C to 25 °C to 27 °C	-1 -2 -18 -3 -33 -102 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platint 2K Silicop 1.8K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3(11) 20K Ther 50K Ther 50K Ther 100K The 100K The 100K The 100K The 100K The 101K The 101	kel RT um RTD n RTD rmistor instor ermistor ermistor ermistor mistor ermistor ermistor ermistor ermistor ermistor ermistor ermistor ermistor endicor Sensor RJ11 RJ11 3.5 m 3.5 m	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. Z, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. T, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C T, 3,300 Ω @ 25 °C T, 3,300 Ω @ 25 °C T, 10,000
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 51	674 to 597 to 800 to 597 to 800 to 800 to 1800 to 1800 to 1800 to 1800 to 1900	305 Ω 274 Ω 305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 12280 12280 12280 12280 12280 12281 18 Ω 12281 Ω 18 Ω	390Ω 400Ω 292Ω 400Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 k	Displ 9F A -3 to +3 B -5 to +5 C 50 to 90 D 55 to 85 E 60 to 80 F 65 to 80 G 45 to 96 J 68 to 78 K 65 to 95 L 70 to 74 P -2 to +2 X 40 to 80 H = Relative Designator M	ay Range	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 35 °C to 23 °C 2 to +2 o 27 °C Range %RH to 100	-1 -2 -18 -3 -33 -102 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RTD n RTD rmistor inistor ermistor ki The mistor mistor ermistor erm	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 1, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C or, 10,000 Ω @
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 51 60 61 62 62	674 to 597 to 800 to 1800 to 1	305 Ω 274 Ω 305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 12286 11 kΩ	390Ω 400Ω 400Ω 400Ω 400Ω 400Ω 400Ω 400Ω 1 kΩ 1 kΩ	Displ	ay Range	°C 3 to +3 5 to +5 to 32 °C to 27 °C to 27 °C to 35 °C to 28 °C to 23 °C to 25 °C to 27 °C	-1 -2 -18 -3 -33 -102 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RJ11 n RJ11 n RJ11 n RJ12 RJ22 RJ22	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 7, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 7, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 8, 20,000 Ω @ 25 °C 9, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 10,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 1, 100,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 2, 20,000 Ω @ 25 °C 3, 20,000 Ω @ 25 °C 4, 20,000 Ω @ 25 °C 2, 20,000 Ω @ 25 °C 2, 20,000 Ω @ 25 °C 3, 20,000 Ω @ 25 °C 3, 20,000 Ω @ 25 °C 4, 20,000 Ω @ 25 °C 2, 20,000 Ω @
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 61 62 63 64 80 81	674 to 597 to 800 to 1800 to 1	305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 1200 1200 1200 120	3900 4000 4000 4000 4000 4000 4000 4000	Display PF A -3 to +2 fo +5 fo FF C 50 to 95 fo D 55 fo 85 fo F 65 to 85 fo F 65 to 85 fo G 45 to 96 fo K 65 to 95 fo L 70 to 74 fo M 40 to 80 H = Relative Designator M C = Connect	Range Section Sectio	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 35 °C to 23 °C 2 to +2 0 27 °C / Range %RH to 100 5 to 70 guration	-1 -2 -18 -3 -33 -102 -1031 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RJ11 n RJ11 n RJ11 n RJ12 RJ22 RJ22	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 7, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 7, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 3,300 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 8, 20,000 Ω @ 25 °C 10, 10,000 Ω @ 25
23 24 25 26 27 28 40 41 42 43 44 45 50 51 60 61 62 63 64 80 81 82	674 to 597 to 800 to 1800 to 1	305 Ω 274 Ω 305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 12286 11 kΩ 1500 Ω 1286 11 kΩ 11 kΩ 1500 Ω 15 kΩ 1249 Ω 11 kΩ 15 kΩ 16 kΩ 17 kΩ 18 kΩ 18 kΩ 19 kΩ 19 kΩ 10 kΩ 1	3900 0000 0000 0000 0000 0000 0000 0000	Display PF A -310 +510 +6 B -510 +6 B -510 +6 B -510 +6 B -60 +8	ay Range	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 35 °C to 35 °C to 35 °C 2 to +2 o 27 °C / Range %RH to 100 5 to 70	-1 -2 -18 -3 -3 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RJ11 n RJ11 n RJ11 n RJ12 RJ22 RJ22	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. TD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. 7, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 7, 13,000 Ω @ 25 °C 7, 10,000 Ω @ 25 °C 1, 20,000 Ω @ 25 °C 2, 20,000 Ω @ 25 °C 2, 20,000 Ω @ 25 °C 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 61 62 63 64 80 81	674 to 597 to 800 to 1800 to 1	305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 1200 1200 1200 120	3900 4000 4000 4000 4000 4000 4000 4000	Display PF A -3 to +2 fo +5 fo FF C 50 to 95 fo D 55 fo 85 fo F 65 to 85 fo F 65 to 85 fo G 45 to 96 fo K 65 to 95 fo L 70 to 74 fo M 40 to 80 H = Relative Designator M C = Connect	Range State Stat	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 35 °C to 23 °C 2 to +2 0 27 °C / Range %RH to 100 5 to 70 guration	-1 -2 -18 -3 -3 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RTD mistor Comi RJ11 RJ11 3.5 m 3.5 m RJ22 Optio	D, 1,000 Ω @ 21°C, 5 Ω /°C temp. coeff. D, 1,000 Ω @ 0°C, 3.85 Ω /°C temp. coeff. Z, 2,000 Ω @ 20°C, 8 Ω /°C temp. coeff. T, 1,800 Ω @ 25°C 3,000 Ω @ 25°C T, 3,300 Ω @ 25°C TO, 10,000 Ω @ 25°C TO, 10,00
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 61 62 63 64 80 81 82 83	674 to 597 to 800 to 1597 to 909 to 1800 to 1800 to 1900 to 19	305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 1200 1200 1200 120	3900 4000 4000 4000 4000 4000 4000 4000	Displant Pist No. 10 + 26 Pi	Range State Stat	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 26 °C to 23 °C to 23 °C to 27 °C to 27 °C to 25 °C to 27 °C loguration Type ton Grnd	-1 -2 -18 -3 -3 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RTD mistor Comi RJ11 RJ11 3.5 m 3.5 m RJ22 Optio	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. Z, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. T, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 3,000 Ω @ 25 °C or, 10,000 Ω @ 25 °C or, 100,000 Ω
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 61 62 63 64 80 81 82 83	674 to 597 to 800 to 1597 to 909 to 1800 to 1800 to 1900 to 19	305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 1200 1200 1200 120	3900 4000 4000 4000 4000 4000 4000 4000	Displant Pist No. 10 + 26 Pi	Range State Stat	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 26 °C to 23 °C to 23 °C to 27 °C to 27 °C to 25 °C to 27 °C loguration Type ton Grnd	-1 -2 -18 -3 -3 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RTD mistor Comi RJ11 RJ11 3.5 m 3.5 m RJ22 Optio	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. 2, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. T, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 3,000 Ω @ 25 °C or, 10,000 Ω @ 25 °
23 24 25 26 27 28 40 41 42 43 44 45 46 47 50 61 62 63 64 80 81 82 83	674 to 597 to 800 to 1900 to 1	305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 1200 1200 1200 120	3900 4000 4000 4000 4000 4000 4000 4000	Displant Pist No. 10 + 26 Pi	Range State Stat	°C 3 to +3 5 to +5 to 32 °C to 30 °C to 27 °C to 27 °C to 26 °C to 23 °C to 23 °C to 27 °C to 27 °C to 25 °C to 27 °C loguration Type ton Grnd	-1 -2 -18 -3 -3 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RTD mistor Comi RJ11 RJ11 3.5 m 3.5 m RJ22 Optio	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. Z, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. T, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 3,000 Ω @ 25 °C or, 10,000 Ω @ 25 °C or, 100,000 Ω
23 24 25 26 27 28 40 41 42 43 44 45 46 46 46 61 62 63 64 80 81 82 83 84	674 to 597 to 800 to 1900 to 1	305 Ω 274 Ω 305 Ω 1200 1200 1200 1200 1200 1200 1200 120	3900 4000 4000 4000 4000 4000 4000 4000	Displant Pist No. 10 + 26 Pi	ay Range	°C 3 to +3 5 to +5 to 52 °C 5 to 52 °C 5 to 52 °C 5 to 52 °C 5 to 52 °C 6 to	-1 -2 -18 -3 -3 -102 -103 -10311 -20 -50 -100 -592 -ES	1K Ω Nici 1K Platini 2K Silicor 1.8K Ther 3.3K Ther 3.3K Ther 10K-3 Th 10K-3 Th 10K-3 Th 10K Ther 10OK Ther 50K Ther 10OK The	kel RT um RTD n RTD mistor Comi RJ11 RJ11 3.5 m 3.5 m RJ22 Optio	D, 1,000 Ω @ 21°C, 5 Ω/°C temp. coeff. D, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff. Z, 2,000 Ω @ 20 °C, 8 Ω/°C temp. coeff. T, 1,800 Ω @ 25 °C 3,000 Ω @ 25 °C 3,000 Ω @ 25 °C or, 10,000 Ω @ 25

All ranges and options may not be shown here, call BAPI for additional options or with questions about this ordering grid

* Channel 1 or 2 are Common Ground

** Test & Balance is only available with Direct Sensor Type Output

***Must use a 10K-2 thermistor for the External Sensor option. Thermistor is purchased separately. (25' max) This option is only available on units without humidity

