Jump-start your gas detection program by selecting the appropriate monitor configuration, docking station, calibration gas, and regulator.

How Will You Maintain Your Radius BZ1?

SELECT THE SENSORS	PUMP	WIRELESS	MONITOR PART #	DOCKING STATION	CALIBRATION GAS 116L	DEMAND FLOW REG.
LEL (Pentane), CO, H_2S, O_2			BZ1-K123000x0y	18109396-13z	18109157	18105841
LEL (Pentane), CO, H_2S, O_2		✓	BZ1-K123000x1y	18109396-13z	18109157	18105841
LEL (Pentane), CO, H_2S, O_2	✓		BZ1-K123001x0y	18109396-13z	18109157	18105841
LEL (Pentane), CO, H_2S, O_2	✓		BZ1-K123001x1y	18109396-13z	18109157	18105841
LEL (Pentane), CO, H_2S, O_2, SO_2			BZ1-K123500x0y	18109396-13z	18109234	18105841
LEL (Pentane), CO, H_2S, O_2, SO_2		✓	BZ1-K123500x1y	18109396-13z	18109234	18105841
LEL (Pentane), CO, H_2S, O_2, SO_2	✓		BZ1-K123501x0y	18109396-13z	18109234	18105841
LEL (Pentane), CO, H_2S, O_2, SO_2	✓	✓	BZ1-K123501x1y	18109396-13z	18109234	18105841
LEL (Pentane), CO, H_2S, O_2, SO_2, PID			BZ1-K1235R0x0y	18109396-13z	18109234, 18102939 (103L)	18105841 x2
LEL (Pentane), CO, H_2S, O_2, SO_2, PID		✓	BZ1-K1235R0x1y	18109396-13z	18109234, 18102939 (103L)	18105841 x2
LEL (Pentane), CO, H_2S, O_2, SO_2, PID	✓		BZ1-K1235R1x0y	18109396-13z	18109234, 18102939 (103L)	18105841 x2
LEL (Pentane), CO, H_2S, O_2, SO_2, PID	✓	✓	BZ1-K1235R1x1y	18109396-13z	18109234, 18102939 (103L)	18105841 x2

x = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx | y = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE | z = Power Cord: 1 = North America, 2 = European, 3 = Australia, 4 = UK

What Accessories Will You Need?

CHECKLIST

- ☐ Docking Stations
- ☐ Extra Modules or Bases
- ☐ Accessory Labels for Asset Management
- ☐ Probes
- ☐ Alarm Muffler
- ☐ Filters
- ☐ Sample Tubes
- ☐ Replacement Sensors
- ☐ Extended Run Time Power Supply
- ☐ Intrinsically Safe Extended Run Time Power Supply

For a list of all accessories, visit
The Radius BZ1 PRoduct Page
www.indsci.com/radius

Extended Run Time Power Supply

MOST COMMON INSTRUMENT CONFIGURATIONS

PART NO.	DESCRIPTION
BZ1-K123000x0y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2
BZ1-K123000x1y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, Wireless
BZ1-K123001x0y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, with Pump
BZ1-K123001x1y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, Wireless, with Pump
BZ1-K123500x0y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2
BZ1-K123500x1y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2, Wireless
BZ1-K123501x0y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2, with Pump
BZ1-K123501x1y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2, Wireless, with Pump
BZ1-K1235R0x0y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2, PID
BZ1-K1235R0x1y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2, PID, Wireless
BZ1-K1235R1x0y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2, PID, with Pump
BZ1-K1235R1x1y	Radius BZ1, LEL (Pentane), CO, H_2S, O_2, SO_2, PID, Wireless, with Pump
SC-K123000x0y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2
SC-K123000x1y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, Wireless
SC-K123001x0y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, with Pump
SC-K123001x1y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, Wireless, with Pump
SC-K123500x0y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2
SC-K123500x1y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2, Wireless
SC-K123501x0y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2, with Pump
SC-K123501x1y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2, Wireless, with Pump
SC-K1235R0x0y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2, PID
SC-K1235R0x1y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2, PID, Wireless
SC-K1235R1x0y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2, PID, with Pump
SC-K1235R1x1y	SafeCore Module, LEL (Pentane), CO, H_2S, O_2, SO_2, PID, Wireless, with Pump

x = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx
y = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE

ACCESSORIES

18109431-AB	Radius BZ1 Base (Without SafeCore) A = Approvals: 1 = UL/CSA, 2=ATEX/IECEx B = Language: 1 = English, 2 = French, 3 = Spanish, 4 = German
18109388-1A	Extended Run Time Power Supply A = Power Cord Type: 1 = North America, 2 = Europe, 3 = Australia, 4 = UK
18109516	Intrinsically Safe Extended Run Time Power Supply
17156261	50m Replacement Intrinsically Safe Cable
18109444	Speaker Grill
18109445	Speaker Dust Filter (Pack of 2)
18109442	Alarm Muffler (Pack of 2)
17155923	Charging Power Supply (Without Power Cord)
17155000	Power Cord (North America)
17155003	Power Cord (Europe)

ACCESSORIES (continued)

PART NO.	DESCRIPTION
17155001	Power Cord (Australia)
17155005	Power Cord (UK)
18109498	Calibration Cup and Tubing Kit
17155934	Charging Port Dust Cap
17155932	Intrinsic Safety Power Port Dust Cap
18109448	Boot
17155915-A	Printed Manual: A = Language, where 1 = English, 2 = French, 3 = Spanish, 4 = German
18109396-ABC -ABC	DSX™ Docking Station for SafeCore® A – DSX Mode: 0 = DSX Standalone 1 = DSXi Cloud-connected 2 = DSX-L Local Server B – Number of Gas Inlet Ports: 3 = 3 Ports 6 = 6 Ports C – Power Cord Type: 1 = North America, 2 = EU, 3 = AUS, 4 = UK
17156650-1	Replacement Sensor, SafeCore, Carbon Monoxide (CO)
17156650-2	Replacement Sensor, SafeCore, Hydrogen Sulfide (H_2S)
17156650-3	Replacement Sensor, SafeCore, Oxygen (O_2)
17156650-4	Replacement Sensor, SafeCore, Nitrogen Dioxide (NO_2)
17156650-5	Replacement Sensor, SafeCore, Sulfur Dioxide (SO_2)
17156650-6	Replacement Sensor, SafeCore, Ammonia (NH_3)
17156650-7	Replacement Sensor, SafeCore, Chlorine (Cl_2)
17156650-B	Replacement Sensor, SafeCore, Hydrogen Cyanide (HCN)
17156650-C	Replacement Sensor, SafeCore, Hydrogen (H_2)
17156650-G	Replacement Sensor, SafeCore, Carbon Monoxide/Hydrogen Low (CO/H_2 low)
17156650-H	Replacement Sensor, SafeCore, Carbon Monoxide (CO) High
17156650-J	Replacement Sensor, SafeCore, Carbon Monoxide/Hydrogen Sulfide (CO/H_2S)
17156650-K	Replacement Sensor, SafeCore, LEL, Pentane
17156650-L	Replacement Sensor, SafeCore, LEL, CH_4
17156650-R	Replacement Sensor, SafeCore, PID (VOCs)
18109472	DualSense Pack, SafeCore, Carbon Monoxide (CO)
18109473	DualSense Pack, SafeCore, Hydrogen Sulfide (H_2S)
18109474	DualSense Pack, SafeCore, Oxygen (O_2)
18109475	DualSense Pack, SafeCore, Nitrogen Dioxide (NO_2)
18109476	DualSense Pack, SafeCore, Sulfur Dioxide (SO_2)
18109486	DualSense Pack, SafeCore, Carbon Monoxide/Hydrogen Low (CO/H_2 low)
18109488	DualSense Pack, SafeCore, Carbon Monoxide/Hydrogen Sulfide (CO/H_2S)
18109489	DualSense Pack, SafeCore, LEL, Pentane
18109490	DualSense Pack, SafeCore, LEL, CH_4
17134701	Sensor Plug
17156465	Backup Battery
17155888	Sensor Collar
18109446	Module Cover
17156771	SafeCore Nameplate
17156983	Hand Tool
18109455	Pump Inlet Water Barrier (Pack of 3)
18109447	Pump Bottom Dust Filter (Pack of 2)

By wearing the Tango® TX1, workers will be the safest single gas monitor users in the world. Patented DualSense® Technology increases worker safety, regardless of bump test frequency, while reducing overall costs. iNet ready and DSX Docking Station compatible, let the Tango TX1 show you why two is better than one.

PART NO.	DESCRIPTION
TX1-1	Tango TX1, CO
TX1-2	Tango TX1, H_2S
TX1-4	Tango TX1, NO_2
TX1-5	Tango TX1, SO_2
TX1-G	Tango TX1, CO/H_2 low

ACCESSORIES

18109330-ABC	DSX™ Docking Station for Tango® TX1
-ABC	A – DSX Mode: 0 = DSX Standalone 1 = DSXi Cloud-connected 2 = DSX-L Local Server B – Number of Gas Inlet Ports: 3 = 3 Ports C – Power Cord Type: 1 = North America, 2 = EU, 3 = AUS, 4 = UK
18109406	DSXi Cloud-Connected Activation Certificate
18105684	iGas® Reader
17154367	Replacement battery
17155161	Replacement sensor, Carbon Monoxide, pack of two
17155164	Replacement sensor, Hydrogen Sulfide, pack of two
17155162	Replacement sensor, Nitrogen Dioxide, pack of two
17155163	Replacement sensor, Sulfur Dioxide, pack of two
17155823	Replacement sensor, Carbon Monoxide/low Hydrogen interference (CO/H_2 low), pack of two
18109171	Soft nylon case, Black
18109239	Soft nylon case, Orange
18109218	Dust barrier kit, 5 pack
18109230	Water barrier kit, 5 pack
18109238	CalCup and tubing kit
17120908	Belt clip
17154915-0	AlarmAmp®, Black
17154915-1	AlarmAmp®, Safety Orange
17154916	Black nameplate
17154917	Green nameplate
17154918	Yellow nameplate
17154919	Blue nameplate
17154920	White nameplate

SPECIFICATIONS*

INSTRUMENT WARRANTY
Guaranteed for Life™. Warranted for as long as the instrument is supported by Industrial Scientific Corporation (excludes sensors, batteries, and filters). CO and H_2S sensors are warranted for three years. All other sensors are warranted for two years.

DISPLAY
Segment liquid crystal display (LCD)

KEYPAD
Two buttons

CASE MATERIALS
Case top: Polycarbonate with a protective rubber overmold
Case bottom: Conductive polycarbonate

ALARMS
Three strobe-emitting visual alarm LEDs (two red; one blue); 100 decibel (dB) audible alarm at a distance of 10 cm (3.94 in); Vibration alarm

DIMENSIONS
99 x 51 x 35 mm (3.9 x 2.0 x 1.4 in)

WEIGHT
126.0 g (4.4 oz)

TEMPERATURE RANGE
-40 °C to 50 °C (-40 °F to 122 °F) **

HUMIDITY RANGE
15%-95% Non-condensing (continuous)

SENSORS
CO, CO/H_2 low, H_2S, NO_2, SO_2 – Electrochemical sensor technology

SENSOR MEASURING RANGES

Carbon Monoxide (CO):	0 to 1,000 ppm in 1 ppm increments
Carbon Monoxide (CO/H_2 low):	0 to 1,000 ppm in 1 ppm increments
Hydrogen Sulfide (H_2S):	0.0 to 500.0 ppm in 0.1 ppm increments
Nitrogen Dioxide (NO_2):	0.0 to 150.0 ppm in 0.1 ppm increments
Sulfur Dioxide (SO_2):	0.0 to 150.0 ppm in 0.1 ppm increments

BATTERY
3.6 V Primary lithium-thionyl chloride (Li-SOCl2); 1.5AH, 2/3AA; replaceable; non-rechargeable; always on; up to 2-year run time depending on operating conditions

DATA LOGGING
3 months at 10-second intervals

EVENT LOGGING
60 alarm events

CERTIFICATIONS
INGRESS PROTECTION IP66/67

-40 °C to 50 °C (-40 °F to 122 °F)

ATEX:	Ex ia I Ma; Ex ia IIC T4 Ga; Equipment Group/Category: I M1/II 1G
CSA :	CI I, Gr A-D, T4; Ex ia IIC T4
IECEx:	Ex ia I Ma; Ex ia IIC T4 Ga
INMETRO:	Ex ia I Ma; Ex ia IIC T4 Ga
UL (C-US):	CI I, Gr A-D, T4; CI II, Gr E-G; CI I, Zone 0, AEx ia IIC T4

-20 °C to 50 °C (-4 °F to 122 °F)

China Ex:	Ex ia IIC T4 Ga
CMA:	Ex ia I Ma; H_2S, CO
EAC:	PO Ex ia I X; 0 Ex iX IIC T4 X
KC:	Ex ia IIC T4

* These specifications are based on performance averages and may vary by instrument.
** Operating temperatures above 50 °C (122 °F) may cause reduced instrument accuracy. Operating temperatures below -20 °C (-4 °F) may cause reduced instrument accuracy and affect display and alarm performance. See Product Manual for details.