Specifications	TL3	TL3-A	TL3-W	TL3-R
Portable	✓	✓	✓	✓
NIST Traceable	✓	✓	✓	✓
Certified Intrinsically Safe (Zone 0)	-	✓	✓	✓
Extended Battery Life	-	-	✓	✓
Weather Resistant	-	-	✓	✓
Bluetooth	-	-	-	✓
Display Resolution	0.01	0.01	0.01	0.001
Tolerance	0.1°F (0.06°C)	0.1°F (0.06°C)	0.1°F (0.06°C)	0.05° F (0.03°C)
Uncertainty	0.03°F (0.017°C)	0.03°F (0.017°C)	0.03°F (0.017°C)	0.03°F (0.017°C)
Hazardous Location Marking	-	ATEX & IECEx (Ex ia IIC T4)	ATEX & IECEx (Ex ia IIC T4)	ATEX & IECEx (Ex ia IIC T4)
Battery service life (Hours)	100	150	450	450
Temperature Range	-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°C)
Calibrated Temperature Range	14°F to 320°F (-10°C to 160°C)	14°F to 320°F (-10°C to 160°C)	14°F to 320°F (-10°C to 160°C)	-30°F to 320°F (-36°C to 160°C)
Calibration (See Note)	4 Points Standard: 32°F (0°C), 120°F (48.9°C), 200°F (93.3°C), 300°F (148.9°C)	4 Points Standard: 32°F (0°C), 120°F (48.9°C), 200°F (93.3°C), 300°F (148.9°C)	4 Points Standard: 32°F (0°C), 120°F (48.9°C), 200°F (93.3°C), 300°F (148.9°C)	5 Points Standard: -4°F (-20°C), 32°F (0°C), 120°F (48.9°C), 200°F (93.3°C), 300°F (148.9°C)
Batteries	CR2032 Coincell Lithium Manganese	CR2032 Coincell Lithium Manganese	2- Alkaline AAA	2- Alkaline AAA
Ambient Range of Operation	-4° to 104° F (-20° to 40° C)	-4° to 104° F (-20° to 40° C)	-4° to 104° F (-20° to 40° C)	-4° to 104° F (-20° to 40° C)
Temperature Response	6.5 seconds in water bath	6 seconds in water bath	6 seconds in water bath	10 seconds in water bath
Sensor	1/4" diameter Stainless steel sensor tube with 3/16" reduced tip, 100 Ohm Class A RTD	1/4" diameter Stainless steel sensor tube with 3/16" reduced tip, 100 Ohm Class A RTD	1/4" diameter Stainless steel sensor tube with 3/16" reduced tip, 100 Ohm Class A RTD	1/4" diameter Stainless steel sensor tube, 100 Ohm Wire-wound Platinum RTD
Enclosure construction	6/6 Nylon	Static Dissipatative Plastic - EX rated	Static Dissipatative Plastic - EX rated	Static Dissipatative Plastic - EX rated
Weight (with 8" sensor)	4 oz (113 g)	4 oz (113 g)	5.5 oz (156 g)	5.5 oz (156 g)
Operational Features	Auto off or continuous operation, Min, Max and Average readings, Display in C or F	Auto off or continuous operation, Min, Max and Average readings, Display in C or F	Auto off or continuous operation, Min, Max and Average readings, Display in C or F,Bluetooth	Auto off or continuous operation, Min, Max and Average readings, Display in C or F, Thousandths display resolution, Zero Correction, Bluetooth

NOTE: Additional custom calibrated temperature ranges avalable from -40°F to 555°F (-40°C to 290°C) based on sensor availabiltiy