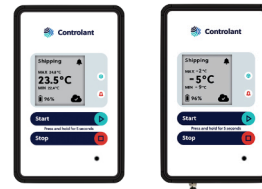


# Saga device comparison



Model type	Saga Standard	Saga Arctic	Saga-P Dry Ice	Saga-P Cryogenic
Device	Saga		Saga-P	
Use Case	Cold and ambient	Deep freeze (-30°C)	Dry ice (-95°C)	Liquid nitrogen (-200°C)
Probe	N/A	N/A	PR-T80	PR-T80
Standard operating temperature range	<b>+50°C</b> <b>-20°C</b>	<b>+30°C</b> <b>-30°C</b>	<b>+50°C</b> <b>-95°C</b>	<b>+50°C</b> <b>-200°C</b>
Standard temperature calibration points (calibrated to NIST traceable standard)	Device: +50°C +15°C -20°C	Device: +30°C +5°C -30°C	Probe: 0°C -40°C -80°C	Probe: 0°C -40°C -80°C -196°C
Temperature accuracy	<b>±0.5°C</b> at -10°C to +45°C  <b>±1°C</b> at +45°C to +50°C -20°C to -10°C	<b>±0.5°C</b> at -10°C to +10°C  <b>±1°C</b> at +10°C to +30°C -30°C to -10°C	<b>±1.0°C</b>	<b>±1.4°C</b> at -200°C to -90°C  <b>±1°C</b> at -90°C to 0°C
Resolution	0.1°C			
Long-term drift	<0.1°C per year			
Temperature data recording interval	10 mins, fixed			
Upload interval / battery life (hours between upload - expected battery life)	1h - 20 days 2h - 35 days 3h - 45 days 6h - 75 days 12h - 110 days 24h - >110 days	1h - 10 days 2h - 17 days 3h - 22 days 6h - 37 days 12h - 55 days 24h - >55 days	1h - 20 days 2h - 35 days 3h - 45 days 6h - 75 days 12h - 110 days 24h - >110 days	1h - 20 days 2h - 35 days 3h - 45 days 6h - 75 days 12h - 110 days 24h - >110 days
Battery capacity	2500 mAh	1200 mAh	2500 mAh	2500 mAh
Battery type	Rechargeable NiMH, battery life of at least 70 charge cycles, not considered dangerous goods			
Data storage	Device can store >150 days of temperature measurements, or 21,600 data points at 10 minute intervals			
Charging/ backup data retrieval	Via attached USB-A cable			
Real-time monitoring and alarm	In case temperature goes outside configured boundaries, device will attempt to connect unless in flight mode or low power mode			
Light sensor	Significant changes in light intensity trigger alert notifications			
Display	E Ink display showing alarm status, current temperature and min + max temperature during shipment			
Multi use	Devices are constructed from responsibly sourced materials and designed for extended durability			
Certified for flights	Automatic flight mode - approved by over 200 airlines			
Location tracking	Location tracked for each data upload using cellular triangulation and WiFi detection via 2.4Ghz WPS (receive only)			
Geofencing	Radius configurable from 250 m to 15 km per location			
Network capability	Global - 4G (LTE), 3G, or 2G			