

# iQ-3

## New TASK™ Synoptic Radiosonde

*Soaring to New Heights with Less Gas*

The new iQ-3 is a revolutionary synoptic radiosonde that measures real-time PTH and Winds Aloft information in support of synoptic military requirements and mission sets such as artillery fire support, tactical weather modeling, and high-altitude insertion/air drop. For the first time, military and research customers now have one station (TASK) capable of accepting both ultra-tactical and synoptic soundings—all while maintaining JPADS compatibility.

### Efficient Design

Because iQ-3 was designed to the TASK transceiver specifications, the entire system is contained in a small, Military Standard (MIL-STD) case weighing less than seven (7) kilograms. The iQ-3 is launched with a balloon as small as 100 grams and filled with less than 20 cubic feet of helium/hydrogen. It uses significantly less helium/hydrogen compared to other systems—reducing the amount of gas carried by users.

The TASK system features a small USB driven transceiver station and sondes for both tactical and synoptic soundings—dramatically reducing the required space and manpower by other systems.

iQ-3 is forward compatible with QinetiQ North America's TASK family of meteorological sensors.

**The iQ-3 Synoptic  
Radiosonde  
reaches 2 mbars!**



### FEATURES/BENEFITS

- Meets the GRUAN and U.S. National Weather Service radiosonde standards
- Uses less helium/hydrogen compared to similar systems
- Highly mobile
- Multi-mission
- Synoptic soundings for tactical and non-tactical military missions
- USB ground station receiver
- Best total cost of ownership on the market
- JPADS compatibility

**QINETIQ**  
North America

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Specifications				
Sensor	Operating Range	Resolution	Accuracy	Time Response
Pressure	1070 to 4 hPa	0.01 hPa	1.5 hPa	< 1 second
Temperature	-90.0 °C to 50.0 °C	0.01°C	±0.3 °C	< 1 second
Humidity	0 to 100% RH	0.01% RH	±5.0 %RH	Please Request
GPS Altitude	-50 m to 42 km	0.1m	15 m	N/R
GPS Position	Any Lat / Long	.01 arc-sec	5 m	N/R
GPS Velocity	0 - 250 m/sec	0.1 m/sec	1.0 m/sec smoothed	N/R



Meets the GRUAN and U.S. National Weather Service radiosonde standards



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