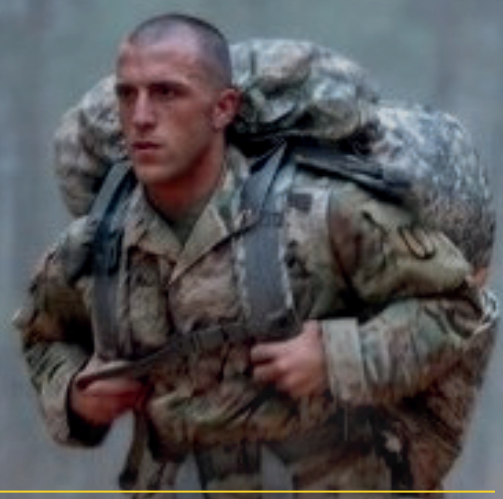
BlackOhm

SAFETY PHYSIOLOGICAL MONITOR (SPM)

RUGGED. COMPACT. MISSION-READY.

Advanced wearable tracking and physiological monitoring for real-time situational awareness.



EXTREME TEMPERATURE PERFORMANCE
-20°C TO +60°C
-4°F TO +140°F

MULTI-BAND NETWORK
700–2200 MHz LTE

EXTENDED BATTERY LIFE
770mAh
Li-Ion Battery

BUILT TO LAST
IP68
MIL-STD-810H

COMPACT & LIGHTWEIGHT
0.9 × 3 × 1.9 in
2.5 oz

PRECISE TRACKING
Tri-mode GPS delivers personnel location data for improved coordination and situational awareness.

UNINTERRUPTED CONNECTIVITY
Multi-carrier Cat M1, NB-IoT and BLE 5.4 support communications across mission environments.

PHYSIOLOGICAL MONITORING
Heart rate and skin temperature monitoring with estimated core temperature.

BUILT FOR EXTREME CONDITIONS
IP68-rated, submersible housing. Tested against selected MIL-STD-810H methods.

ADDITIONAL SENSORS
Precision altimeter (+·/·8Pa), accelerometer, temperature, shock, vibration, pressure.

SECURE BY DESIGN
FIPS 140–3, AES 256, multi-tier encryption, FedRAMP moderate for simplified ATO.



PROUDLY DESIGNED AND MANUFACTURED IN USA

TRUSTED BY THE WORLD'S MOST ELITE MILITARY TEAMS AND GOVERNMENT ORGANIZATIONS

MISSION-TESTED PERFORMANCE IN EXTREME CONDITIONS

MISSION SUCCESS STARTS WITH PEOPLE YOU CAN PROTECT.

SCHEDULE A DEMO
Scan the QR code or visit
blackohm.com/contact