

# SARBE

an Orolia brand



## SarFind

### SARBE Decoder

SarFind, the SARBE G2R PLB/ELT decoder, provides the user with a position and identity readout of up to 64 individually tracked beacons. SarFind may be programmed to decode either standard SAR transmissions or Combat transmissions (CSAR).

SARBE: Innovation since 1944

The SARBE brand has been at the forefront of innovation in life saving Locator Beacons and critical communications for more than 70 years. Its products are in Tri-Force use on every continent.



SarFind is a 'Carry On - Carry off' unit that incorporates a rechargeable power source providing up to 18 hours endurance with complete independence from the aircraft power system. Using SarFind simply involves connecting the integral headset lead to the aircraft communications system.

During operation, the SarFind front panel display provides the following information about the detected SARBE:

- a Beacon Identity
- b Beacon position in Latitude and Longitude
- c Time elapsed since reception of last beacon transmission
- d Time since GPS acquisition by beacon

An audible alert tone is provided, which sounds when a successful position decode is established. This function may be disabled at any time by operation of the 'ALARM INHIBIT' switch.

The front panel display is optically filtered to give best viewing under adverse conditions. The display is NVG compatible.

## Programming

The SarFind may be programmed to operate in either SAR or Combat mode. In SAR mode, SarFind will display any SAR coded SARBE G2R transmission. It will not detect a SARBE operating in the Combat mode.

In Combat mode, the following parameters may be programmed into SarFind:

- a Mission operating code
- b SARBE call signs for up to 64 beacons
- c Single beacon detection (SarFind will respond to a specific user identity provided the correct mission code is also received)
- d Group beacon detection (SarFind will respond to a specific group of user identities provided the correct mission code is also received)

## Technical Specifications

**Operating Frequency** Audio from standard radio receiver

**Input level** Input level from radio system: 0.5Vpp to 10Vpp

**Input Impedance** Greater than 50K  $\Omega$

**Receiver Sensitivity** For successful decode the minimum receiver Signal to Noise Ratio is 10dB

**Mission Endurance** Up to 18 hours

**Built-in test** Comprehensive self test facilities are included

**Weight** 3.5 kg

including battery

**Size** 232mm x 210mm x 91mm

**Part Numbers**

SARBE part number 101027