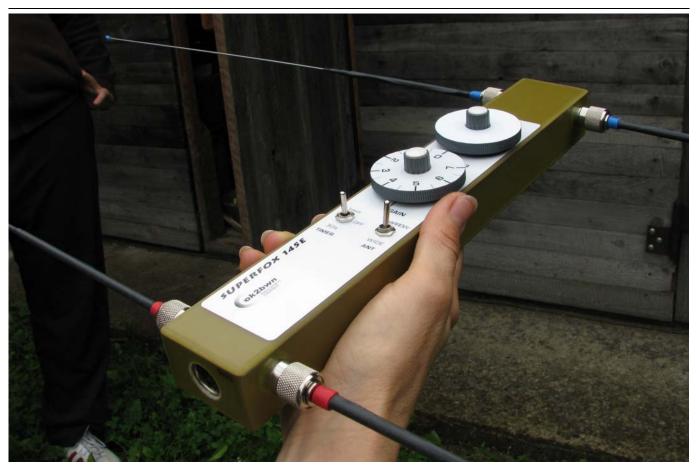


# 144 MHz DIRECTION FINDING RECEIVER

# SUPERFOX 145E



The SUPERFOX 145E direction finding receiver is a modern sports equipment satisfying even most demanding requirements of top sportsmen. Its ergonomical solution results from the following features: low weight and small size, all receiver controllable by single hand even in full run, shock-resistant, waterproof house. The symmetrical super-gain antenna especially optimized for direction finding gives sharp direction pattern and high receiver sensitivity. The SUPERFOX 145E contains special features: the direction pattern expander, which sharpens aiming and rejects unwanted sidelobes and timer which announces coming end of the transmitting period.

The SUPERFOX 145E receiver is used by many top competitors and their outstanding results prove the quality of the receiver.

# **FEATURES:**

- Ergonomical solution single hand controllable
- High sensitivity
- Optimized antenna reaches the front-to-rear ratio 40 dB
- Sharp main antenna lobe gives precise bearings
- Sensitivity control range 120 dB
- 1 min- or 30 sec timer announces the end of the transmitting period
- Direction pattern expander improves aiming
- Shock-resistant, waterproof house
- Detachable antenna elements for easy transport and packing

## **SPECIFICATIONS**

Receiver system: single conversion superheterodyne

Antenna: optimized symmetrical HB9CV

Main lobe width (WIDE):  $20^{\circ}$  / -3 dB (NARROW):  $10^{\circ}$ / -3 dB Front to rear ratio: > 40 dB

Mode: A2A

Frequency coverage: 143,5 ... 146,5 MHz

Sensitivity (S/N 10 dB):  $0.2 \mu V$ IF bandwidth: 100 kHzSensitivity control range: > 120 dBHeadphones impedance: > 4 ohms

Timer: 10 sec prior to the end of transmitting period (30 or 60 s)

Supply: built-in NiMH accumulator 7,2 V / 320 mAh

Consumption (typ.): 22 mA
Operation period: min. 12 hours

Compass bearing influence:  $max. \pm 2^{\circ}$ Covering: IP63

Dimensions: 1040 (W) x 50(H) x 290 (L) mm (including antenna)

500x70x40 mm (folded)

Weight: 380 g (including antenna and accumulator)

Operating temperature range:  $-10 \dots + 60^{\circ}$ C Storage temperature range:  $-20 \dots + 60^{\circ}$ C

### SUPPLIED ACCESSORIES

- antenna elements set
- instruction manual

### **OPTIONS**

- electronic compass module FINDER09
- headphones SL28
- accumulator charger N28
- accumulator tester T810
- spare antenna elements