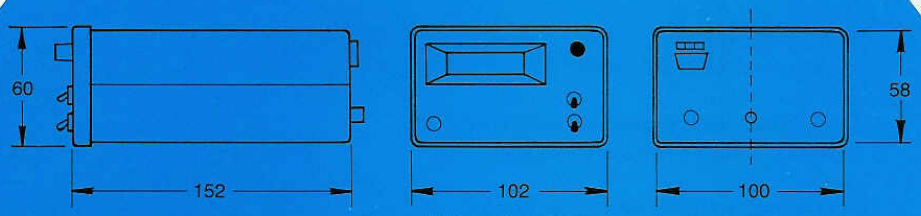
AVcomm PORTABLE V.O.R. RECEIVER

- Full 200 channel tuning capacity with high sensitivity
- Dual purpose liquid crystal display gives clear readout in all daylight conditions
- Unambiguous three figure display automatically indicates V.O.R. bearings
- Search made automatically – finds and identifies any available beacon
- Internal rechargeable batteries give up 10 hours continuous use
- Operation from external 12 volt batteries possible

THE **GL32P** RECEIVER IS A COMPLETELY SELF CONTAINED BATTERY OPERATED V.O.R. RECEIVER COVERING THE 108 –118 MHZ NAVIGATION BAND

AVcomm PORTABLE V.O.R. RECEIVER

Specification



all dimensions in mm

GENERAL

Overall Size:	102mm x 60mm x 176mm
Weight:	600gm (including batteries)
Operating Temperature:	0°C to +50°C (−20°C to +50°C option)
Display:	4 digit liquid crystal
Shock:	15G in any direction

ELECTRICAL

Frequency Range:	108 – 118 MHz
Tuning:	Stepping Manual or Self-Seeking Auto
Sensitivity:	Better than 5μV
Band Width:	30 kHz
Spurious Responses:	Better than −40dB
E.M. Radiation:	Less than 10^{-9} watt
V.O.R. Accuracy:	Better than ±5° over 40dB AGC range
Power Supply:	4 off internal rechargeable AA batteries or 12v
Antenna:	BNC Socket for external antenna or helical whip
Indent Audio:	1 mW into 600 ohms

Available from...

NOTE: The AV Comm Portable V.O.R. Receiver is NOT approved for installation in aircraft requiring a C.A.A. Certificate of Airworthiness.

The above figures are typical only and do not form the basis of a contractual specification. They are subject to change without notice.

AVcomm PORTABLE V.O.R RECEIVER

The **GL32P** is a completely self contained battery operated VOR receiver intended for use in gliders and microlite aircraft. It is also useful as an additional aid when ferrying unequipped vintage or military aircraft.

The receiver, measuring 10cms x 6cms x 15cms and weighing only 600gms, is built entirely of aluminium with an attractively styled black front panel in keeping with contemporary avionics.

A small helical aerial can be supplied for complete portability, or a separate external VOR aerial can be used for greater range. Typical ranges at 2,000 ft. are 20 miles with the helical aerial, and up to 70 miles with an external VOR aerial.

OPERATION

Operation of the receiver can be simplicity itself. With the **Freq/Brg** switched to the bearing position, the **Scan** button is pressed and held for up to 10 seconds. If a VOR is within range the receiver will automatically lock onto the station and display the bearing TO or FROM the VOR beacon. An identification tone can be heard using an external headset plugged into the socket on the rear panel.

Should the strength of a beacon be too weak to be received without error, then the display will automatically change to a reading of **FFF**, indicating that there is no identifiable VOR signal. The frequency to which the receiver is tuned can be displayed at any time by moving the **Freq/Brg** switch over to the frequency position.

MANUAL MODE

With the **Freq/Brg** switch in the frequency position the receiver will step tune across the 108-118MHz band whilst the **Scan** button is pressed. Half channel or offset stations can be accommodated as the receiver has a bandwidth of 30KHz, and the Tune knob gives continuous coverage of $\pm$0.5MHz, the display indicating the nearest 100KHz channel. If the VOR beacon is present, the ident tone will be audible on a headset, and the bearing TO or FROM the beacon will be indicated if the **Freq/Brg** switch is moved to the bearing position.

DISPLAY

The display consists of a 3 digit liquid crystal readout giving the location FROM the beacon in magnetic degrees ETN. By a simple internal adjustment the display can be programmed to indicate the required course TO the beacon.

FACILITIES

Battery condition indicator is fitted which illuminates a warning on the display if the batteries are becoming discharged.

External charge socket is fitted to allow for recharging of the batteries without opening the case.

External power source of 10-15v can be plugged into the rear socket to provide an alternative means of powering the receiver.

Special options allow for use at low temperatures and display lights can be fitted for use in the dark.

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