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STATION, RADIO, 128B

TECHNICAL HANDBOOK - DATA SUMMARY

PART NO

DESCRIPTION

Transmitter, radio, DWS, Type 5820-99-105-3683
128B-50
Receiver, radio, DWS, Type 128B-40 5820-99-105-3681

The Station, radio, 128B is a portable transmitter-receiver, operated from dry batteries which are carried in a canvas case, the receiver and transmitter being individually housed in unsealed metal boxes. The receiver is a superhet suitable for the reception of c.w., m.c.w., and r.t. signals. The transmitter, which can be used for c.w. only, is crystal controlled and can be matched to a variety of antennae systems.

ROLE

The equipment is a portable h.f. radio station for use in airborne operations by the SAS.

PHYSICAL DATA

	<i>Transmitter</i>	<i>Receiver</i>
Weight	2 lb 11 oz	3 lb 3.5 oz
Width	8 in.	8 in.
Height	4.75 in.	4.75 in.
Depth	4.25 in.	4.25 in.

CLIMATIC RANGE

Temperature 0-50⁰C

OPERATIONAL DATA

Netting facilities are available which enable two or more stations to tune accurately to one common frequency.

PERFORMANCE

The equipment has a normal range of approximately 15-20 miles, but under certain conditions much greater ranges can be achieved.

ELECTRICAL DATA

Carrier frequency

2-8Mc/s in two bands:-
Band 1: 2-4Mc/s

Band 2: 4-8Mc/s

Calibration accuracy $\pm 1\%$

Power levels

Transmitter: Power output approximately 1W.

Receiver: Sensitivity: 15-40 μ V (dependent upon frequency) giving 15dB signal-to-noise ratio

Output: 1mW into 20k Ω

ANTENNA

A 100 ft spool of wire

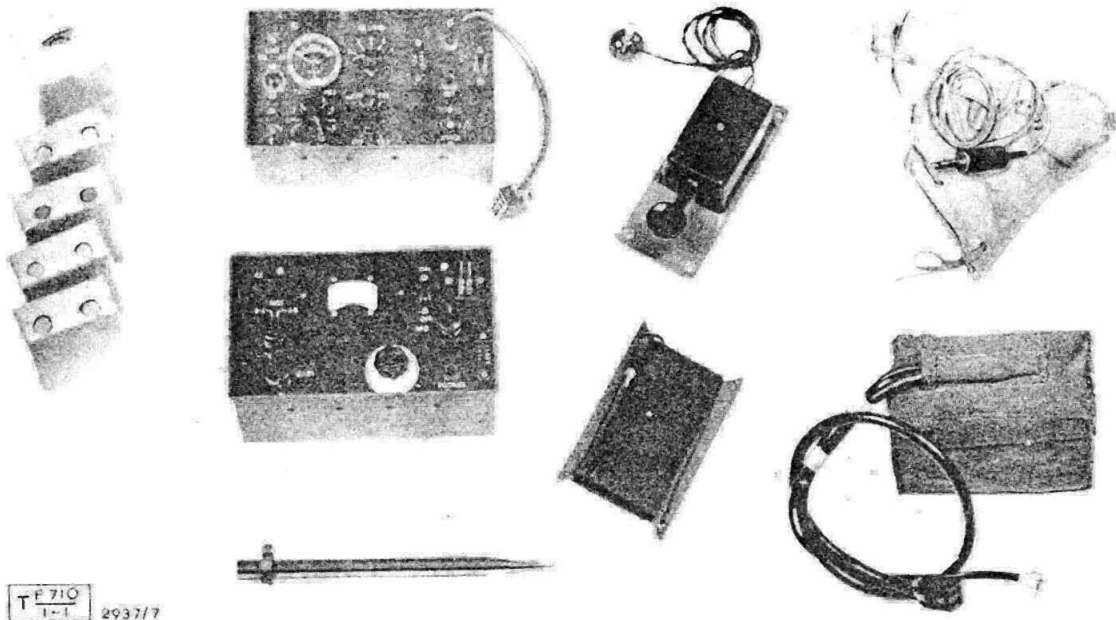
POWER REQUIREMENTS

Qty 4 - batteries, dry h.t., 67.5V, No 1 Y3/6135-99-910-1123

Qty 1 - battery, dry, l.t., 1.5V, No 14 Y3/6135-99-910-1137

ASSOCIATED PUBLICATIONS

ISPL Army Code No 12927 Originally issued for SR128 but the majority of details are still relevant.



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Fig 1 - Station, radio, 128B

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