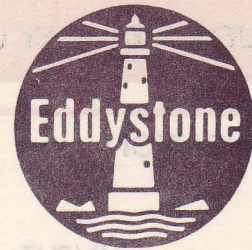


Eddystone Radio Limited

Member of Marconi Communication Systems Limited
Alvechurch Road, Birmingham B31 3PP, England
Telephone: 021-475 2231
Cables: Eddystone Birmingham Telex: 337081



Frequency Display Unit

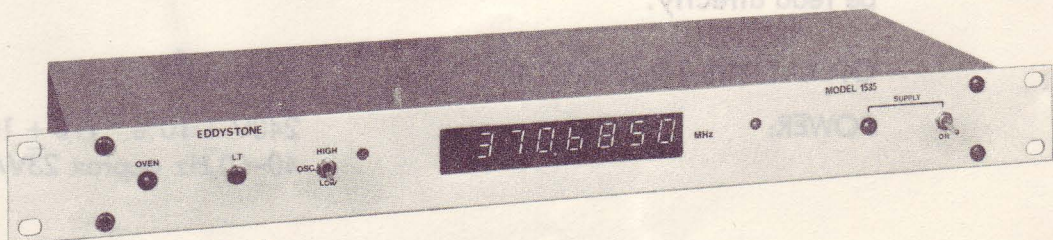
CAT. No.
1535
Provisional

GENERAL DESCRIPTION

The Frequency Display Unit Cat. No. 1535 is a seven digit readout frequency counter with the facility of each digit to be programmed with a fixed number. The programmed number can be either added or subtracted from the counter number. When programmed with a number corresponding to the receiver's IF frequency, the received frequency of a receiver can be read directly and accurately, without the operator having to make calculations, which would be the case if a conventional frequency counter was used.

The display requires only two connections to the receiver, one to the local oscillator and one to the frequency range change switch. (The second connection can be omitted when using receivers that have their local oscillators fixed to oscillate either above or below the received frequency on all bands).

The display unit can also be used as a general purpose frequency counter when the digits are programmed to zero.



*Civil Aviation
100/CA 32199.*

SPECIFICATION:

INPUT

Range:	40 - 525MHz
Sensitivity:	-11dBm (63mV)
Dynamic Range:	25 dB
Input Impedance:	Nominally 50 Ω
Coupling:	a.c.
Connector:	BNC female

TIME BASE

Crystal frequency:	1MHz
Aging <i>Ageing</i>	+2 part in 10 ⁶ per year
Temperature:	0° to 50°C
Stability:	+ 1 part in 10 ⁷

GENERAL

Accuracy:	+ 1 count (LSD)
Resolution:	100Hz
Display:	7 digit high brightness sectionalized LED display (HP 5082-7663)
Programming:	All display digits independently pre-settable by thumbwheel switches.

COUNT MODE

TTL line control to DIN socket adds or subtracts pre-set number to count to compensate for IF offset and enables received frequency to be read directly.

OPERATING TEMPERATURE:	0° to 50°C
POWER:	240V + 10% 110 + 10% AC 40-60 Hz approx 23VA.

Our equipment is designed generally to meet "British Defence Specification 133 Class L2".

As we are always seeking to improve our products, the information in this document gives only general indications of product capacity, performance and suitability, none of which shall form part of any contract. The information herein is subject to confirmation at the time of ordering.