



Telegraph Recording Units

Telegraph recording units are designed to accept LF (or IF) telegraph signals from communication receivers of normal frequency stability and convert them into DC signals suitable for operating a telegraphic recording device such as an undulator or teleprinter.

An input signal-to-noise ratio as low as 10 dB is sufficient for successful operation. Special precautions have been made to avoid random operation of the recording device by noise, during long pauses in the transmission.

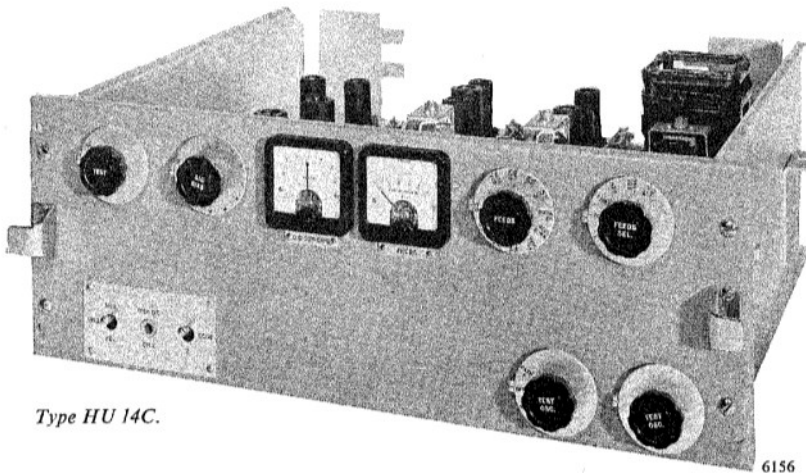
The range consists of the following units:

- (1) Telegraph Recording Unit Type HU 11.
For reception of on/off and FS-keyed signals (400–1000 c/s shift).
- (2) Telegraph Recording Unit Type HU 12.
For double-diversity reception of on/off and also FS signals (400–1000 c/s shift).
- (3) Telegraph Recording Unit Type HU 13.
For reception of on/off and small-shift FS signals (40–100 c/s shift).
- (4) Frequency-shift Duplex Receiving Unit Type HU 14C.
For double-diversity reception of two-channel, four-frequency, FS duplex signals.

Data Summary

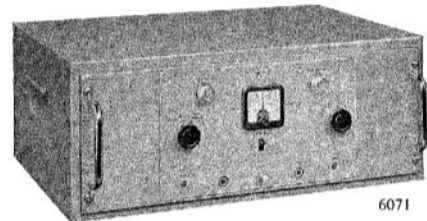
	HU 11	HU 12	HU 13	HU 14C
Inputs				
FSK				
Level	+20 to -25 dBm	+10 to -30 dBm	+20 to -25 dBm	0 to -40 dBm
Mid-frequency	2.5 kc/s	2.5 kc/s	1 kc/s	10 kc/s
Total shift	400–1000 c/s	400–1000 c/s	40–100 c/s	1200 c/s
On/off				
Level	+10 to -20 dBm	+5 to -24 dBm	+10 to -20 dBm	—
Frequency	500–2500 c/s	500–2000 c/s	500/2500 c/s	—
Input impedance	600 Ω	600 Ω	600 Ω	600 Ω
Outputs:	(a) Either 30–0–30 mA DC into an earthed load not exceeding 1600 Ω (such as an 800+800 Ω undulator) or (b) Lower impedance output for operation of a 20+20 Ω undulator.			30–0–30 V DC on both channels at approx. 10 k Ω output impedance.
Traffic speed:	120 bauds	120 bauds	120 bauds	200 bauds on channel A, 100 bauds on channel B.
Power supply:	All units, 110–120 V or 200–250 V, 50 c/s, single-phase AC			
Power consumption:	75 W	75 W	75 W	15 W
Dimensions:				
Height	8 in. (20.3 cm)	9 3/4 in. (25 cm)	8 in. (20.3 cm)	6 3/4 in. (17 cm)
Width	1 ft 7 in. (48 cm)	1 ft 7 in. (48 cm)	1 ft 7 in. (48 cm)	1 ft 7 in. (48 cm)
Depth	1 ft 1 in. (33 cm)	1 ft 1 in. (33 cm)	1 ft 1 in. (33 cm)	1 ft 5 1/4 in. (45 cm)
Weight	55 lb (25 kg)	36 lb (16.4 kg)	55 lb (25 kg)	30 lb (13.6 kg)

Power unit for HU 12 measures 1 ft 7 in. x 1 ft 1 in. x 5 1/4 in. high (48 x 33 x 13.4 cm high)



Type HU 14C.

6156



6071

Type HU 11.

Marconi

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