

CLT 200 radio reporter transmitter specifications

General:

Power supply:	230V	75 VA
	12 – 15V	5A
Channels	16	front switchable
Frequency range	CLT 200	145 – 250 MHz optional 470 – 860MHz
Switching range	CLT 200	> 20 MHz
Channel switching	BCD switch, frequency & function on display	
Antenna connector	N	
Audio connectors	XLR 3 female	
Housing	1 HE 19" depth 280mm	
RF power led bar	10 led	
Temperature led bar	10 led	
Audio led bar	10 led = 30dB range (2x)	
Audio led bar indication	-24...+ 6dBm	
PTT	front	
HF + audio specifications		
RF output level	10 Watt, maximum 20 Watt	
Frequency deviation (standard)	56 kHz – 75 kHz	
Frequency deviation (semi broadband)	10 kHz	
Input level audio	6 dBm symmetrical	
Pre-emphases	50 us (150 us semi broadband)	
Distortion	0.2 % typical	
Audio frequency range (standard)	20 Hz – 15 kHz +/- 1 dB	
Audio frequency range (semi broadband)	20 Hz – 8 kHz +/- 3 dB	
HIDYN	internal	
Stereo encoding (optional)		
Channel separation	> 50 dB	1 KHz and up
Signal to noise	> 80 dB	@ 1 KHz with HIDYN
Audio frequency range	50 Hz 15 kHz	+/- 1 dB
	20 Hz 16 kHz	+/- 3 dB
19 kHz Supression	> 55 dB	

For optimum audio quality we use digital techniques for the audio filters and 19-38KHz Oscillators.

For the best audio quality we advise to order the Hi Dynamics option (HiDYN)