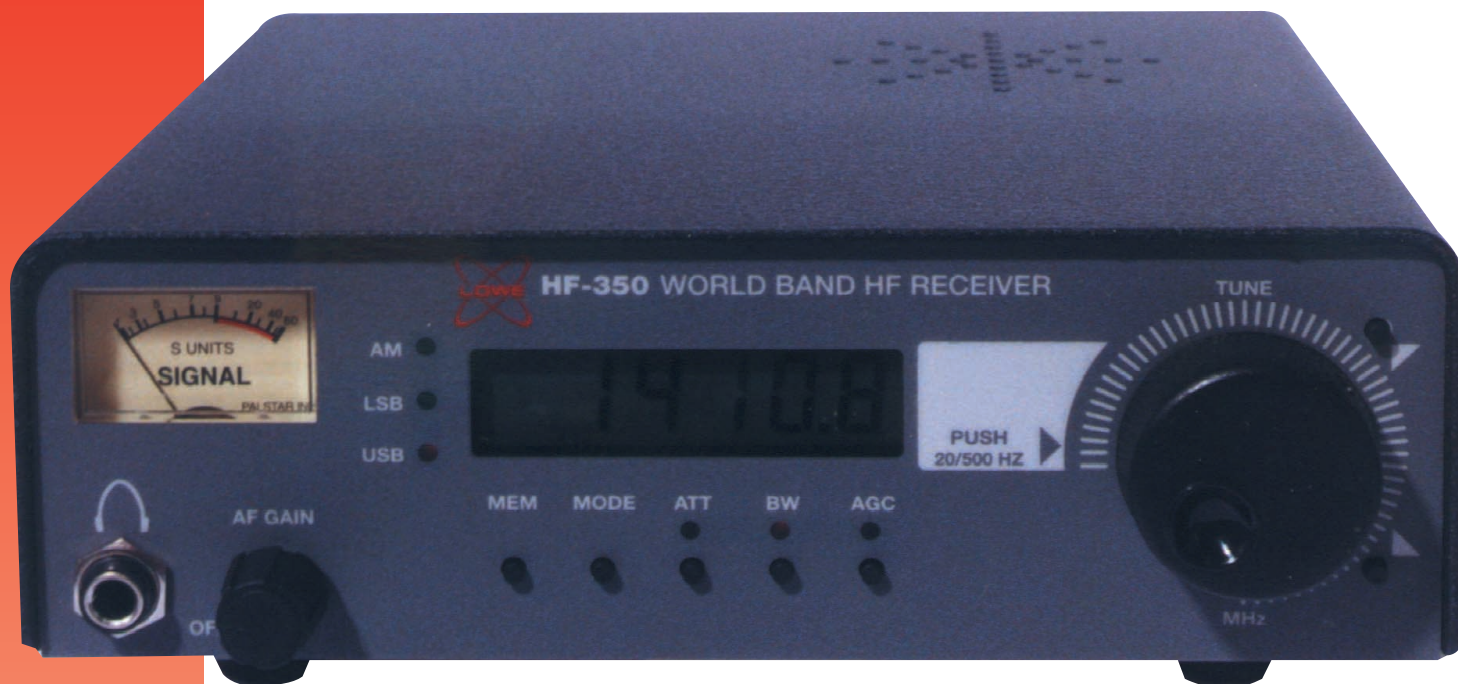




HF-350 Communications receiver

100 kHz - 30 MHz



*Top European
and American
designers working
together with one
aim: making a top
quality receiver
coping with the
heaviest demands:
the best properties
combined in one
design: HF-350*

Lowe HF-350.

is an uncomplicated receiver with outstanding properties. It is an American design revised by European engineers, resulting in an almost perfect receiver which has superior properties, normally only found in the most expensive receivers. It has a very good capability for handling strong signals and, by the use of expensive ceramic filters, achieves selectivity. Well designed bandfilters at the receiver's front end also make reception in the lower bands a real pleasure. Operating the receiver is simple, there's no need for a manual!

Class performance on every frequency.

This great receiver offers continuous reception from lowest to highest frequencies. The special design ensures noise free reception with a low spurious response. A smart design, performing in a way which other designers can only dream about...

Unique tuning control.

Tuning is a real pleasure: the clever tuning control changes the tuning rate with the speed at which the control is turned. By pushing the control one can choose between fast and slow tuning speed. Two functions where they are needed: the tuning control!

One hundred memories.

A hundred memories keep all settings, for example; AGC, attenuation, mode etc. Your favourite radio station can be recalled in only one action, complete with all the appropriate settings! Memories can also be recalled by pushing the 'up' and 'down' keys. Both frequency or memory location can be shown on the display.

Outstanding selectivity.

Using expensive ceramic IF filters ensures outstanding selectivity in both AM and SSB.

Good strong signal handling capability.

European radio stations transmit using very high power. The HF-350 can cope perfectly with these strong signals. A 10dB attenuator is built in. A great dynamic range and excellent intermodulation properties ensure many pleasant hours of listening, even during evening hours!

Adjustable AGC.

The AGC can be adjusted for optimum reception either in CW or SSB.

Uncomplicated operation.

Using this receiver requires no dedicated computer courses! By using only two turning controls and seven keys you will soon feel familiar with your receiver. Flipping the front bail elevates the front of the receiver, making reading the display more comfortable. A frequency lock mode prevents the tuned frequency from being changed by accident.

Neatly arranged rear panel.

You will find all the connections you really need on the rear panel. An on(c)off switch dims the light for the meter and the display enabling energy saving with battery use. Batteries can be placed inside the HF-350.

Ready for an active antenna

The optional AA-150M active antenna can directly be fed from the antenna input.

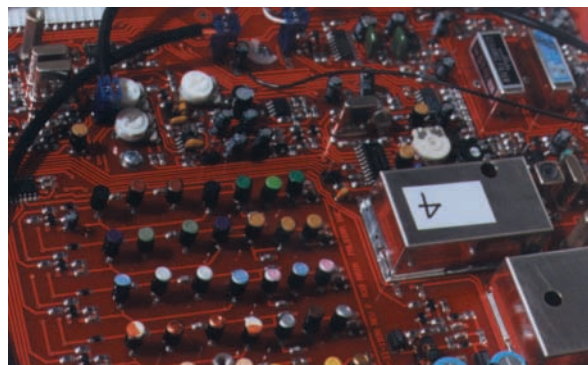


HF-350 Communications receiver

100 kHz - 30 MHz

PRODUCT SPECIFICATIONS

Sensitivity	100 kHz - 2 Mhz
	• AM: 2 μ V • SSB: 1 μ V
	2 Mhz to 30 Mhz
	• AM: 1.5 μ V • SSB: 0.5 μ V max 10 db (S+N/N)
Selectivity	45 Mhz 8 kHz BW
	455 Khz (AM) 4 kHz 455 kHz (SSB) 2.5 kHz
Dynamic Range	>90 dB @ 10 kHz from desired freq.
	>105 dB @ 100 kHz from desired freq.
Spurious response	@ 45 Mhz >65 dB rejection
	@ 455 kHz >90 dB rejection
Intermodulation	Third order Intercept
	@ 10 kHz + 15 dbm @ 50 kHz + 20 dbm
Frequency Stability	+ 20 Hz per hour @ -15 C to + 50 C
AGC Range	0.5 μ V to 500 mV <2 dB change
	Attack time: <5 ms
	Delay - slow: <4 secs
	Delay - fast: <0.5 secs
Audio	3 watts @ 8 Ohm, 1% THD
Distortion	AM, @ 60% mod.depth <1%
	SSB: <0.5%
I kHz signal	AM: 4 kHz filter ref. 60% @ 1 kHz
	5 μ V 20dB
SIN Ratio	500 μ V >50 dB
	SSB: 5 μ V 20 dB
	500 μ V >50 dB
Power Supply	DC required 12VDC @ 300 - 600 mA
	Quiescent current 300 mA (with lamps) Typical current use 350-600 mA
Weight	1 kg (2.2 lbs)
Dimensions	210 mm W x 35 MM H x 195 mm D
	8.26"W x 2.56"H x 7.68"D
Lights switched off	180 mA



Frequency Coverage	100 kHz to 30 Mhz
Receiver System	Microprocessor controlled PLL tuning, dual conversion superheterodyne receiver.
Display	6-digit backlit LCD display, additional indicators show ATT, AGC, LSB, USB, AM, BW Analog S-meter, calibrated S1 to S9, +20 dB, +40 dB, +60 dB
Reception Modes	AM, LSB, USB, CW
Tuning	Rotary Encoder, Mhz band buttons
	Tuning rate: 20 Hz to 100 Hz slow and 100 Hz to 500 Hz per step in fast mode. Both rates per step are speed variable.
Memory	100 frequency memories selected with front panel encoder tuning knob or up/dn Mhz buttons. Receiver frequency is retained while switched off. Locked display with tuning knob
IF Filters	All modes, either 2.5 kHz or 4 kHz, operator selectable
RF Attenuator	10 dB
Controls	• Power on/of and volume
	• Mode: AM, LSB, USB
	• Mem: Memory button
	• Att: Attenuator
	• Mhz - up/down (1 Mhz)
	• Tuning knob
Antenna inputs	• 50 Ohm SO-239
	• 500 Ohm and ground with compression terminals
Audio Outputs	• External Speaker: 1/4" jack
	• Headphone: 1/4" jack (Internal Speaker is disconnected when headphones or external speaker are plugged in).
	• Recorder output (line audio).
	• Mute audio for use with a transmitter.
Power Supply	• External 12 DC supply
	• Internal 10 cell battery pack for portable use (lamps in oft mode)
	• 2.1 mm DC Jack input for DC