



Lencom Base Tuner

02-5200-901 | Single Cable | 125W

01

02-5200-001 | Dual Cable | 125W

Data Sheet

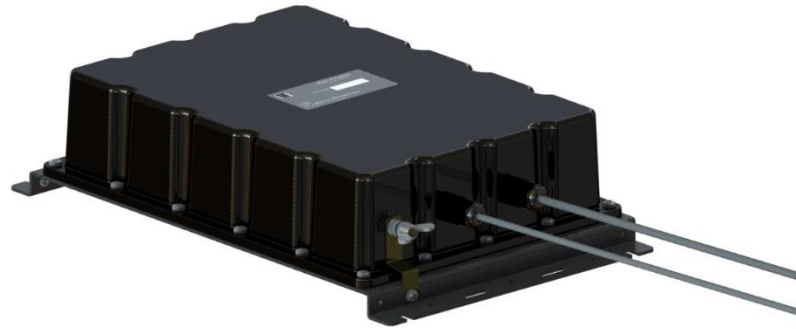


Figure 1 – 5200 Lencom Base Automatic Tuning Unit

The Lencom® 5200 is an all-purpose tuner designed to tune everything from 2.4m whips to 23m long-wires.

Fully automatic, the tuners are fast, highly efficient and reliable and make for a perfect base-station or, with shock-mounting, mobile solution.

The 5200 comes in two optional formats:

1. A standard, dual-cable version that has the normal configuration of separate control and RF cables from the transceiver to the tuner. This configuration has a maximum cable length of 35m; and
2. A single-cable option that converts control signals using a proprietary translation that allows control signals to be passed down the RF/coaxial cable. A small translation box is included in this version. Not only does this technique simplify the cable-run requirements, but it allows for cable-runs of up to 100m.



Figure 2 - Single Cable Interface

A wide range of accessories are available, please refer to Page 3.



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Key Characteristics

RF/Electrical:

<i>Frequency range</i> <i>Whip length 2.4m to 23m</i>	2-30MHz
<i>Power rating</i>	125W
<i>Input impedance</i>	50Ω
<i>Required Tune Power</i>	20W
<i>VSWR</i>	Typically < 1.5
<i>Tune Time</i>	Memory 200ms Initial Tune 5s (typical)
<i>Power Consumption</i> <i>Tuned</i> <i>Tuning</i>	<800mA <1.5A
<i>Memory Channels</i>	Unlimited
<i>Efficiency</i>	Up to 95% (whip length dependent)

Mechanical:

<i>RF connector type</i>	UHF plug
<i>Control connector type</i>	6 Pin Bayonet
<i>Operational temperature</i>	-20 to +70°C ¹
<i>Maximum cable length</i>	Dual Cable Version 35m Single Cable Version 100m
<i>Colour</i>	Black
<i>Enclosure</i>	Bespoke impregnated nylon
<i>Sealing</i>	IP67
<i>Shock and Vibration</i>	Rated to MIL-STD 810F
<i>Dimensions</i>	415mm (L) x 260mm (W) x 100mm (H)
<i>Weight</i>	Without cables 3kg With cables 6kg

¹ Lencom recommends the use of its custom sunshield (09-00738-50) when in direct sunlight and temperatures > 45°C



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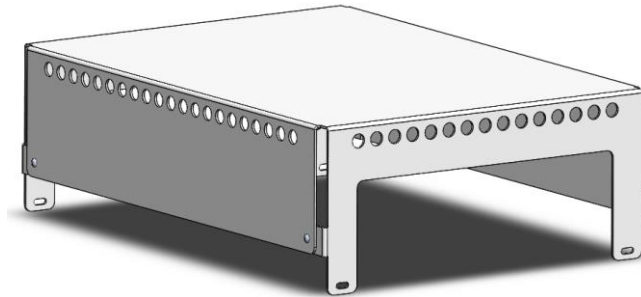
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Available Accessories

Sunshield



Sunshield

09-00738-50

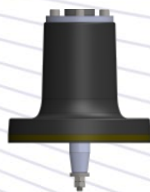
Antenna Mounts/Brackets



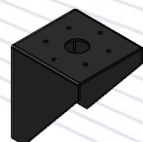
Flange Mount HV base 02-4024



Single-hole HV base 02-4022



Military HV base 03-4715



Mounting bracket 60-4017

Radiators

Large range of whips/long-wires for military or commercial in stainless steel, fibreglass and carbon fibre

Cables

Large range of coaxial, control, high-voltage and earth cables for all requirements