



**b500-**  control

## Control *products*

H U M I D I T Y C O N T R O L

### Typical Applications

- Temporary climate control
- Galleries
- Archives
- Museums
- Libraries
- Storage rooms

### Options & Accessories

- Hanwell radio control
- Automatic water supply
- Air scoop to duct output
- Water monitor
- UV water treatment
- Air cleaning filters
- Manual/automatic flushing

The b500 Electronic operates in accordance with the evaporation principle which is proven to be one of the best methods for humidification in, museums, libraries and art galleries as it ensures that no calcium deposits or water precipitation can form. In this way, it effectively protects both works of art as well as furnishings.

Great importance has been attached to ensuring virtually silent operation in an environmentally friendly manner. The humidifier is electronically controlled, an integrated hygostat keeps the humidity at the required level. In addition to thoroughly humidifying the air, the b500 Electronic also serves another purpose, it filters, purifies and rids the air of dust. Furthermore, it prevents static from forming.

The unit operates on normal or purified tap water. The b500 is

normally filled by hand, however the connection facilities to add an automatic water supply and overflow are already provided on the unit.

Its elegant, timeless design ensures it blends discreetly into any surroundings. The housing is made of the most durable plastic, designed to be anti static, resistant to acid and alkali, absolutely corrosion-proof and dimensionally stable. Cleaning poses no problems as the relevant assemblies can be removed from the unit without the use of tools.

The design pays particular detail to safety features. A screen guard protects all moving parts such as the blower wheel and pump vanes. The water tank is fitted with a baffle system in order to avoid spillage when moving the unit. Once the supply of water has been used up, the humidifier turns itself off automatically.

### Specification

(Accuracy quoted is combined instrument and sensor)

Hanwell Instrument Limited - ISO9001:2000 certified

<b>Dimensions</b>	75.5cm x 62cm x 36.5cm	<b>Hanwell radio control</b> (if fitted)	
<b>Weight (empty)</b>	Approximately 24 kg	<b>Transmitter dimensions</b>	110mm x 67mm x 23mm
<b>Power supply</b>	230 volts 50 Hz	<b>Weight</b>	65 grams
<b>Power consumption</b>	Approximately 125 Watts	<b>Humidity sensor</b>	Vaisala capacitive polymer
<b>Evaporation capacity</b>	2.5l/h at 25°C and 20% RH	<b>Humidity sensor range</b>	0 to 100% RH (non condensing)
<b>Evaporation filter area</b>	3.5 m <sup>2</sup>	<b>Humidity sensor accuracy</b>	+/- 2% over full range
<b>Volumetric air flow rate</b>	800 m <sup>3</sup> /h	<b>Humidity resolution</b>	0.1%
<b>Water capacity</b>	50 litres	<b>Switching hysteresis</b>	Programmable between 1 to 5%
<b>Housing</b>	Durable anti-static plastic	<b>Radio frequency</b>	434.075 MHz
<b>Controls</b>	Electronic accessed via remote control	<b>Radio power</b>	10 mW
<b>Colors</b>	White	<b>Power supply</b>	9 volt PP3 battery
	Light grey	<b>Battery life</b>	18 months
	Anthracite	<b>Sensor transmit rate</b>	Every 2.5 minutes



- DATALOGGERS
- CONTROL PRODUCTS
- TEMPERATURE
- RADIOLOGGERS
- HUMIDIFIERS/DEHUMIDIFIERS
- RADIO TELEMETRY