



## Benchtop incubator not humidity controlled

# INC-A20

**Ideal for non-clinical culture applications, the INC-A20 provides high precision temperature and gas regulation, modest footprint and integrated sample protection.**

The Planer benchtop incubator provides a precisely controlled environment, with accurate control of the chamber, ensuring a cell or embryo suffers little or no exposure to temperature or pH level changes.

The compact size allows placement in cabinets and the two chambers allow samples to be processed separately. Full control over the gas flow is provided, allowing gas usage to be minimised.

- Low cost of ownership - gas consumption a fraction of large incubators
- The reassurance of an in built battery back-up in case of lab power failure
- No requirement for ongoing consumable costs
- Stay informed with easily visible status indicators

Want to find out more about benchtop incubators?  
[enquiries@planer.com](mailto:enquiries@planer.com)



# Benchtop incubator: No Humidity

## INC-A20

| PHYSICAL                         |   |
|----------------------------------|---|
| Dimensions                       | 420 mm wide x 270 mm deep x 210 mm high   |
| Weight                           | 15.5 kg   |
| Storage temperature              | -10 °C to +50 °C  |
| Storage humidity                 | 5% to 95% relative humidity non-condensing  |
| Operating environment            | For indoor use only   |
| Operating temperature            | +5 °C to +40 °C for safe operation. See also temperature control range restriction.                                 |
| Operating humidity               | 10% to 90% relative humidity non-condensing   |
| Altitude                         | up to 2000 m  |
| Pollution degree                 | Pollution degree 2 (BS EN61010-1)   |
| CONTROL                          |   |
| Temperature control range        | (ambient + 5 °C) to 40 °C.  |
| Temperature measurement accuracy | ± 0.2 °C  |
| Temperature control accuracy     | ± 0.1 °C measured after any transient effects due to set-point changes have subsided.                               |
| Flow control range               | 0 ml/minute to 900 ml/minute. Flow measurements are normalised to 0 C , 50% RH and 1 bar.                           |
| Flow accuracy                    | The greater of ± 10% or ± 0.3 ml/minute   |
| Flow control accuracy            | The greater of ± 5% or ± 0.2 ml/minute measured after any transient effects due to set-point changes have subsided. |

| CAPACITY  |  |
|---|--|
| Dishes per chamber                                | 4 x NUNC 4 well dishes<br>4 x NUNC 60 mm dishes<br>10 x NUNC 30 mm dishes<br>4 x MINITUB 5 well dishes<br>4 x FALCON 60 mm dishes<br>4 x FALCON 60 mm single - well "organ culture" dishes |
| POWER   |  |
| Power requirements (see note) Includes Controller | 100 - 230 V~ / 50/60Hz / 1.1 A   |
| Internal battery backup                           | Gelled sealed lead acid battery / 12 v x 12 Ah   |
| GAS SUPPLY  |  |
| Gas supply  | Premixed gas. Typically 6% CO <sub>2</sub> , 5% O <sub>2</sub> , balance N <sub>2</sub>  |
| Supply pressure                                   | 1.5 ± 0.15 bar   |
| Connectors  |  |
| ALARMS  |  |
| Alarms  | The incubator provides 3 volt-free terminals which provide normally-open and normally-closed contacts.   |
| REMOTE MONITORING                                 |  |
| LAN   | 10 Base T Ethernet - RJ45 shielded. Modbus-TCP-IP protocol.  |
| Remote PT100 sensors                              | PT100 Class A to EN60751. Maximum diameter 2.51 mm. Minimum length 100 mm. Sensing region should be within 15 mm of the tip.   |

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**Planer Limited**

110 Windmill Road, Sunbury-On-Thames  
Middlesex TW16 7HD, United Kingdom  
A Hamilton Thorne Company

**Tel:** +44 (0)1932 755 000  
**Fax:** +44 (0)1932 755 001

enquiries@planer.com  
www.planer.com