Modular Construction Means Flexible Designs

Rose+Bopla offers two superb choices for your next instrumentation application: CombiCard for more robust watertight measurement/control designs and Ultramas for small test equipment or computer peripheral devices. Both offer modular construction to accommodate a wide range of sizes and features, from terminal compartments and membrane keypad mounting to desktop configurations or wall-mounting.

COMBICARD—The modular construction of the CombiCard ensures that easy modifications of a measurement and control design are possible if requirements change. Variable widths and depths, an ingress protection rating of IP 66, and enclosure access protection, are just a few of the excellent benefits of this enclosure system. A new component has been added to the CombiCard line in all three series sizes for control panel mounting. The BC...NG base sections can be combined with existing front and rear sections and can achieve an IP 66 protection rating, depending on the combinations.

The new hinge system design and the ability to install pre-fabricated mounting racks minimizes assembly time. The double clamp area permits easy, clean wiring with a large number of cable entries. Integrated quick-release fastening permits left-hand or right-hand opening between every system part. Each hinged quick-release fastener can be protected against unauthorized access with lock bolts or lead seals. The optimal way of closing front lids is by using a cylinder catch.

Front, base and rear parts can be combined in any way required, within a basic size range. Enclosures can also be created without bases by combining front and rear sections in a series. If units are large enough, bases can be positioned with ventilation according to convection requirements.

The range of accessories for the CombiCard 5000-7000 system include: front panels, mounting plates, wall-mount brackets, handles, cylinder catches, lock covers/bolts, and DIN rails.

CombiCard Technical Data:

- Color: Front and bases light gray, similar to RAL 7035; clear front lid, G-version; side covers light gray, similar to RAL 7035.
- Enclosure Material: ABS. Clear Polycarbonate lids available.
- Gasket Material: Neoprene
- Ingress Protection: IP66 (IP 30 with ventilation) / DIN VDE 0470
- Surface Resistance: ABS, $>10^{14}$ Ohm to DIN 53482
- Disruptive Strength: ABS, 17KV/mm to DIN 53481
- Flammability: ABS, UL 94 HB/1.6
- Temperature Range: -40°F to +194°F.

ULTRAMAS

- Ideal for small test equipment and computer peripherals, this enclosure can be adapted superbly to your individual space requirements.
- Features smooth design lines, flawless satin finish and offered with or without ventilation slots.
- Works in either the horizontal or vertical position, making it perfect as a desk or wall-mount.

Ultramas Technical Data:

- Color: Enclosure, light gray, similar to RAL 7035; screw covers, brackets and feet in agate gray, similar to RAL 7038.
- Material: ABS
- Ingress Protection: Closed: IP 40 (DIN EN 60529), IP30 (DIN EN 60529) with air vents
- Surface Resistance: $>10^{14}$ Ohm to DIN 53482
- Disruptive Strength: ABS, 17KV/mm to DIN 53481
- Flammability: UL 94 HB/1.6