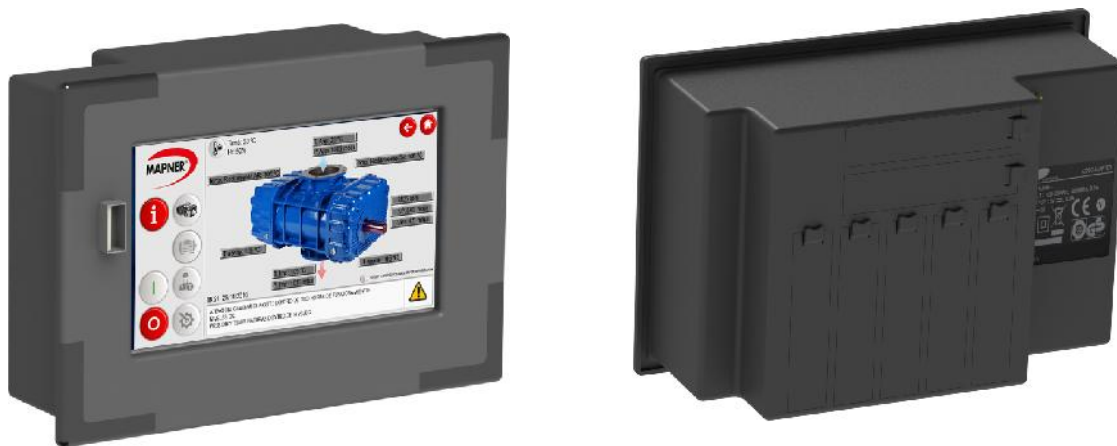


# TECHNICAL DATA SHEET

## CONTROL PANEL

### MPC - 4.0 Technology



The new control panel from MAPNER installed in the soundproof cabin, is an intelligent data management center for operation and maintenance support and places MAPNER at the forefront of the Industry 4.0.

With this panel you have access to a range of equipment operating data to facilitate management and energy optimization and operation, contributing to improving efficiency and reducing operating and maintenance costs.

Additional to instant data display operation, it has a large capacity storage of historical data that allow future analysis and visualization informs on graphs.

There is the option of connecting the control panel with the internal management system of the plant via Ethernet, RS485 or others, so that you can manage alarms operation, maintenance, including start/stop control (\*).

With this system, MAPNER can offer a warning and remote management service, collaborating and facilitating the maintenance by plant personnel.

#### Basic Specifications:

- ABS housing, IP55.
- Color touch screen
- Fully panelable installed in the cabin soundproofing.
- Start/Stop button in display (\*)
- Electrical connection 100-240 V - 1 Ph - 50/60 Hz
- Design by cards with expandable functionality.

**TECHNICAL DATA SHEET**  
**CONTROL PANEL**  
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**Standard features:**

- Operating hours
- Counter, limiting the number of starts per hour of the main motor.
- Forecasts and warnings maintenance points, programmable by the user.
- Instantaneous values of the measurement parameters and graphics display.
- Registration and representation of maximum, minimum and average of different values, with time indication.
- Viewing customizable alarms.
- Export data through TCP / IP or USB to PC, SCADA, etc.
- Configuration and sensor adjustment.
- Configuration of type and alarm settings (warning and stop (\*))
- Software upgradable via USB.

**Standard measurement parameters:**

- Ambient temperature and humidity.
- Suction temperature
- Discharge temperature
- Suction pressure
- Discharge pressure
- Machine speed.
- Oil Temperature
- Blower vibration.

**Optional measurement parameters:**

- Machine bearings temperature.
- Motor bearings temperature.
- Motor winding temperature.
- Motor voltage and current.
- Oil level control.
- Others (please inquire)

(\*) Requires connection to a motor control center (MCC) and control system and implementation in the plant.