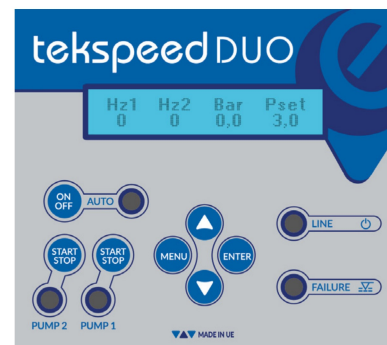


# tekspeed DUO

Double frequency inverter for the control of two single-phase or three-phase pumps, with wall mounting

Tekspeed DUO is an electric control and protection panel for two single-phase or three-phase pumps, each with inverter.

The device's power supply input is single-phase at 230V while the load supply output can be single-phase 230vac or three-phase 230vac. In complete modulation TEKSPEED DUO makes work in cascade and alternating both pumps.



Multifunctional LCD control panel

- Indication LEDs, START-STOP, AUTOMATIC buttons
- Configuration system

## TECHNICAL FEATURES

	TEKSPEED DUO
Input voltage	~1 x 230 Vac
Frequency	50/60 Hz
Max. current pump 1	10 A (~3 x 230 Vac) ou 12A (~1 x 230 Vac)
Max. current pump 2	10 A (~3 x 230 Vac) ou 12A (~1 x 230 Vac)
Overcurrent	20% 10"
Pressure range	0,5 ÷ 25 bar
Protection degree	IP65
Analog input	4-20 mA
Ambient temperature Max	50 °C
Weight	4,8 Kg
Cooling system	Forced ventilation

## MAIN FEATURES

- Two frequency inverters for the management of two electric pumps with PID logic
- Multifunction LCD display for visualization: nominal pressure, voltage, current, frequency, working hours, number of starts and alarm history log
- Buttons for custom function selection and parameterization
- 2 operating modes: duty-assist and duty-standby
- ART function (Automatic Reset Test). When the control panel is in dry run protection, ART tries, with a programmed periodicity, to restart the pump until the water flow is re-established
- STC function (Smart Temperature Control): when the temperature of the electronic board exceeds 85° C automatically decreases the frequency of revolution of the pump, decreasing the heat generation, while maintaining the flow of water
- Automatic system recovery after power failure. The system restarts maintaining the configuration parameters
- Configurable electronic input for: external level control, assigning a second pressure setpoint, control remote start-stop
- Input for external pressure transducer with 4-20 mA signal
- Aluminium heat sink with forced ventilation

## PROTECTION

- Control system and protection of electric pumps against overcurrent.
- Dry running protection system for electric pumps.
- Abnormal supply voltage.
- Short circuit between system output phases.
- Pressure transducer error alarm.

