

TM52V Portable composites curing and repair equipment

Airbus approved.

Accurate multiprobe temperature control.

Manual or fully automatic mode.

Load a preprogrammed cycle and run.

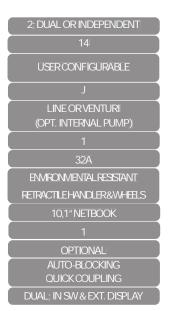
Highly portable!!! Wheeled case with extensible handle.

USB, Wifi, Ethernet connectivity! Send reports on-the-fy!!!

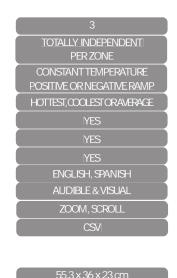
TM52V is a dual zone curing and repairing portable equipment for Composite and Metallic damaged structures, with embedded PC based controller running an extremely powerful and user friendly software. It can perform two either simultaneous or totally independent curing cycles with up to 14 temperature channels each. Vacuum requirement is reached by connecting the input either to a pressurized or to a vacuum workshop supply line (internal electrical pump optional). The advanced software package in the TM52V has been designed for curing and repair process specialists, and can easily be managed by operators from the first moment. When curing process gets done, a detailed report can be printed out on any local or networked printer. It can be powered through 2x16A (Shuko) @230V or 32A (3P+N+E @400V). TM52V counts with 32A outputs to each heating system (heating blanket, IR lamps). With an additional bag vacuum reading,

TM52V is able to detect bag leaks to prevent fails in curing process.





CONTROL SOFTWARE
USERLEVELS
CYCLES CONFIGURATION & OPERATION
TYPE OF SEGMENTS
TEMPERATURE CONTROL
TEMP.ALARM BANDS
CALIBRATION UTILITY
FILE MANAGEMENT
LANGUAGE
ALARM SIGNALLING
VISUALIZATION TOOLS
EXPORT FORMAT
PHYSICAL
CASE DIMENSIONS
CASEWEIGHT



16.5 ka

The software allows the user to easily generate and edit temperature profiles, run curing process, display temperature channels and save temperature and pressure data to a predefined file in csv format, with possibility of further offline retrieving and analysis.

Main Utilities coming with the software are:

• Users management.

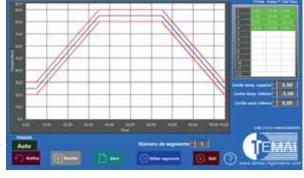
Three user levels are predefined: Administrator, Technician, and Operator, each with their own access privileges to different capabilities.

· Curing profles programming.

Complex time profles including heating up and cooling down temperature ramps, as well as alarm bands, can be easily programmed following an intuitive sequential process in the profle editor.

• Stored Project data retrieve.

Virtually unlimited number of profles and measurement can be stored in the PC memory. Advanced zooming and scrolling tools..





· Automatic mode.

In this mode, an operator can select a previously programmed temperature profile and immediately run it without editing capability. When the test ends, a process report can be printed out.

Manual Operation Mode.

User can manually control heaters power, alarm on/of and temperature readings to check proper functioning before process is started. Thermocouples can be deselected during curing process.

• Temperature and vacuum sensors calibration dedicated utility.

Both offset and span for each temperature and vacuum channel, can be manually adjusted to reach a more precise measurement.

Innovative

Technological

Equipments



TEMAI Ingenieros
C/Rivas, 10 – 28820
Madrid – Spain
Tel: +34 91 672 27 31
www.temai-ingenieros.com