



ULTRASONIC MASSAGER

We design and manufacture products that meet the needs of our customers.

Whatever application challenge you're facing, you can count on our technical expertise and responsive support to quickly deliver the most effective solution.



MPI offers you innovative solutions to achieve remarkable results

Thank you for choosing our product!
This guide will help you with proper maintenance and proper operation of the device. The information contained in this manual has been prepared with the utmost care by our professionals and serves as a description of the product without any liability for the purposes of commercial law. This information does not release you from the obligation of self-assessment and verification. We reserve the right to change product specifications without notice. Please read the instructions carefully and follow the recommendations.

ATTENTION!
Failure to follow the instructions may result in damage to the equipment or prevent the use of hardware or software.

The company has focused its efforts and achieved remarkable results in the development of innovative technologies to improve and manage various processes in all directions, as more and more clients are looking for effective methods to improve quality while reducing costs and values offered by products and services in order to increase their competitiveness and net revenues.

SAFETY INSTRUCTIONS

- For your safety and to ensure that the equipment is in good working condition, read the following instructions carefully before starting work.
- Installation must only be carried out by qualified technical personnel!
- Only trained people should work with the equipment!
- Additional (according to the requirements of your enterprise) safety measures must be taken if the equipment is used in places where there is a risk of high levels of dust, noise, explosion.
- Use gloves, tongs, apron, goggles and other protective equipment.
- All necessary settings of the equipment are made either during the production process or described in this manual.
- If startup problems occur, please do not make any prohibited adjustments to the device, as this would endanger your warranty rights.
- If you have any doubts about anything being wrong, please contact our phone support specialists.
- Work inside the device may only be carried out, to the extent indicated, as well as with regard to the electrical connection, only by trained persons. When this type of work is carried out, the equipment must be completely disconnected from the main power supply.
- During cleaning and maintenance, the equipment must be disconnected from the main power supply.
- Mains power cables should not be coiled if they are too long. They must be shortened to the required length to avoid the risk of overheating.
- Except for the permitted actions listed in this manual, you should never attempt to repair or modify the equipment.



ATTENTION!

In the following cases you should disconnect the device from the mains and contact a qualified service engineer:

- If the mains cable or plug is damaged
- If the device displays noticeably different behavior than standard operation
- A noise or sound other than normal has occurred during standard machine operation

ATTENTION!

Repairs and modifications may only be carried out by competent, trained people.

ATTENTION!

Only competent, trained people, familiar with safety measures when working with electrical systems can have access to electrical panels!

ATTENTION!

FOLLOW ANY WARNINGS OR INSTRUCTIONS WRITTEN ON THE MODULES!

ATTENTION!

The manufacturer is not responsible for injuries caused when working with the equipment.



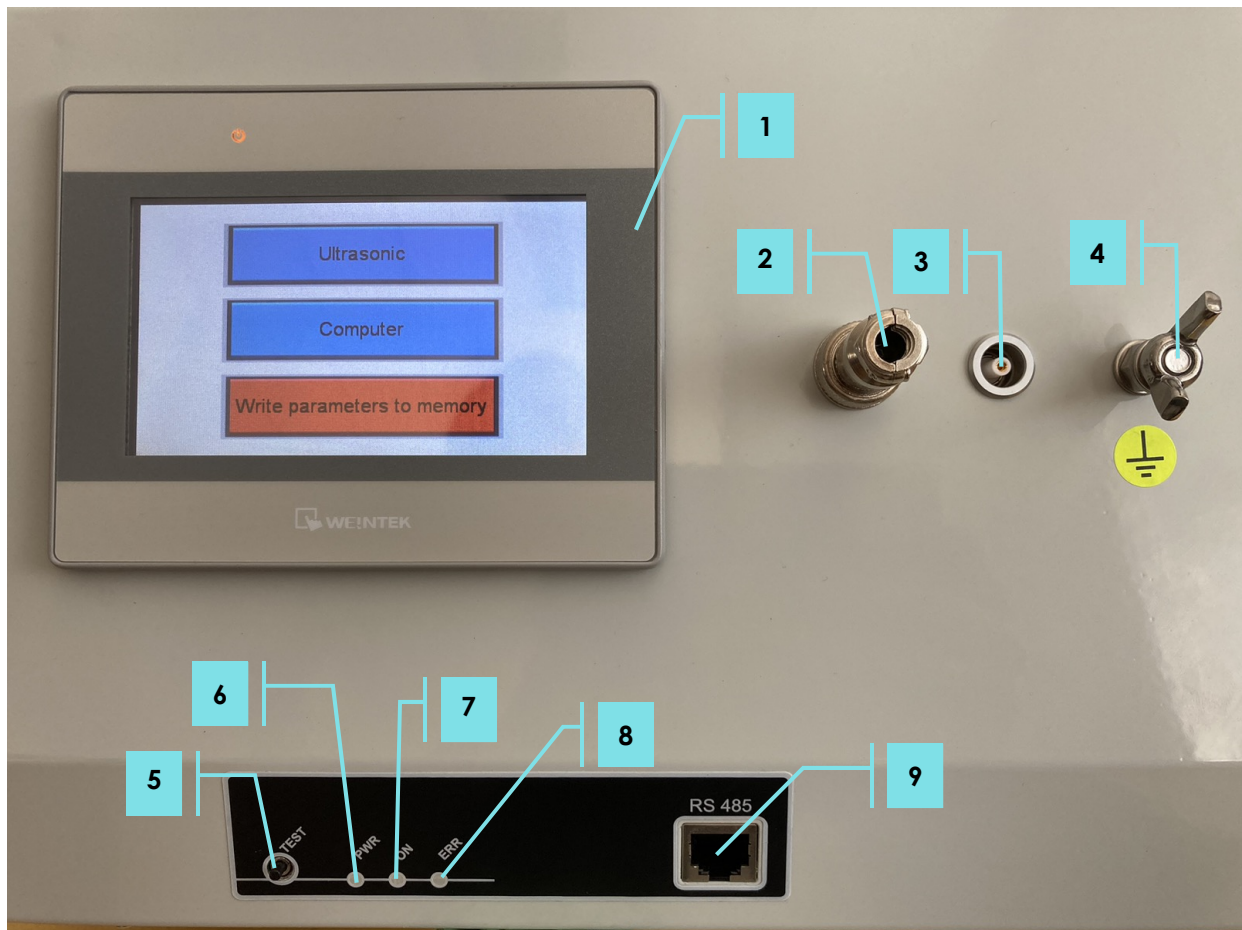
ULTRASONIC MASSAGE TREATMENT EQUIPMENT



MAIN CHARACTERISTICS

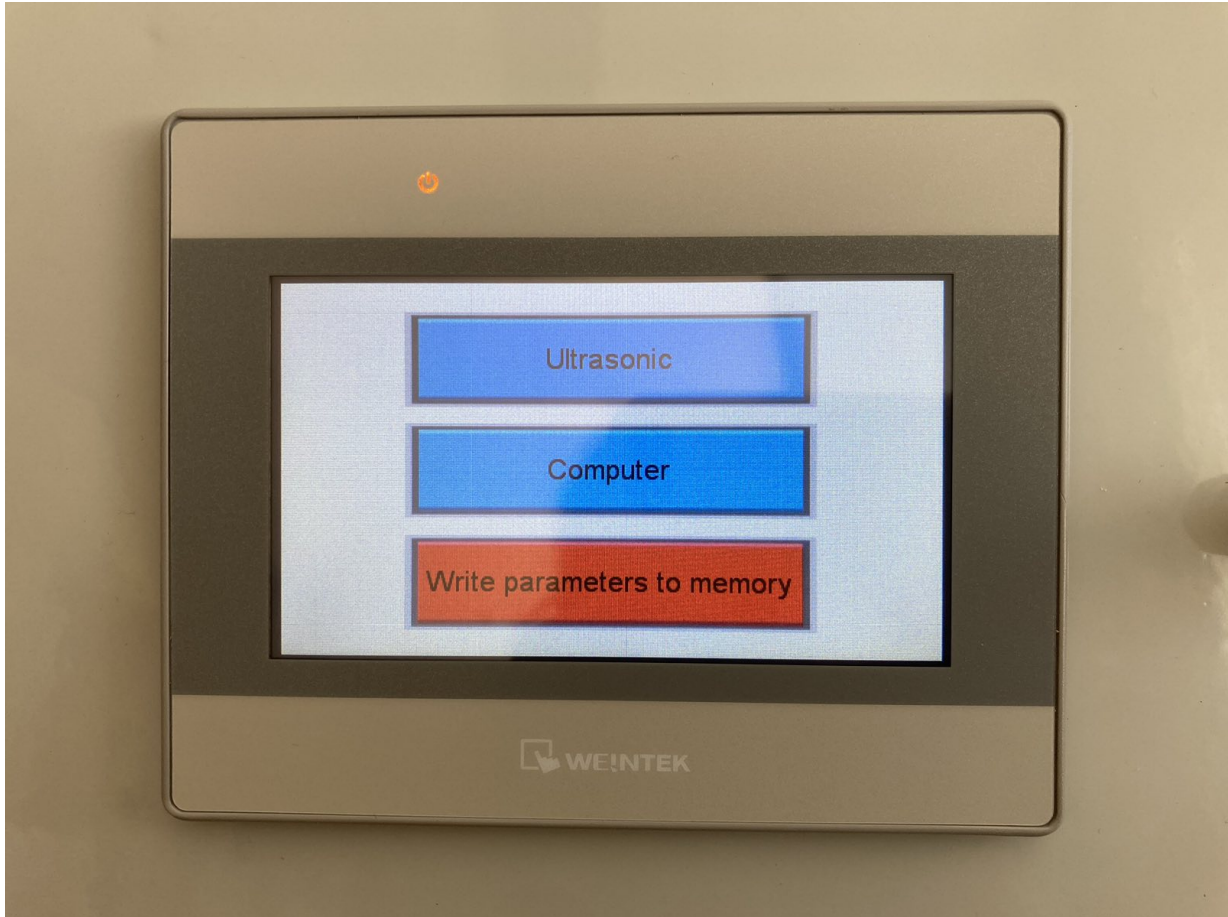
TYPE	Desktop type portable unit
POWER SUPPLY	230V, 50-60 Hz
MAX POWER	400 W MAX
FREQUENCY	40kHz
FUSE	3.15A

GENERAL VIEW



1	RESISTIVE TOUCH DISPLAY
2	Remote ON/OFF dry contact - when CLOSED - generator is ON - when OPEN - generator is OFF
3	LEMO High Voltage High Frequency output
4	Kleme - GROUND
5	TEST Button
6	PWR - LED that indicates that the generator is powered
7	ON - LED that indicates that the generator is ON
8	ERR - LED that indicates that the generator has malfunctions
9	RS-485 - connector for connecting with PC software for testing and settings

MAIN MENU



Ultrasonic	Button for Ultrasonic Menu
Computer	Button for Computer Menu
Write parameters to memory	Button to Write current parameters to the memory



ULTRASONIC MENU



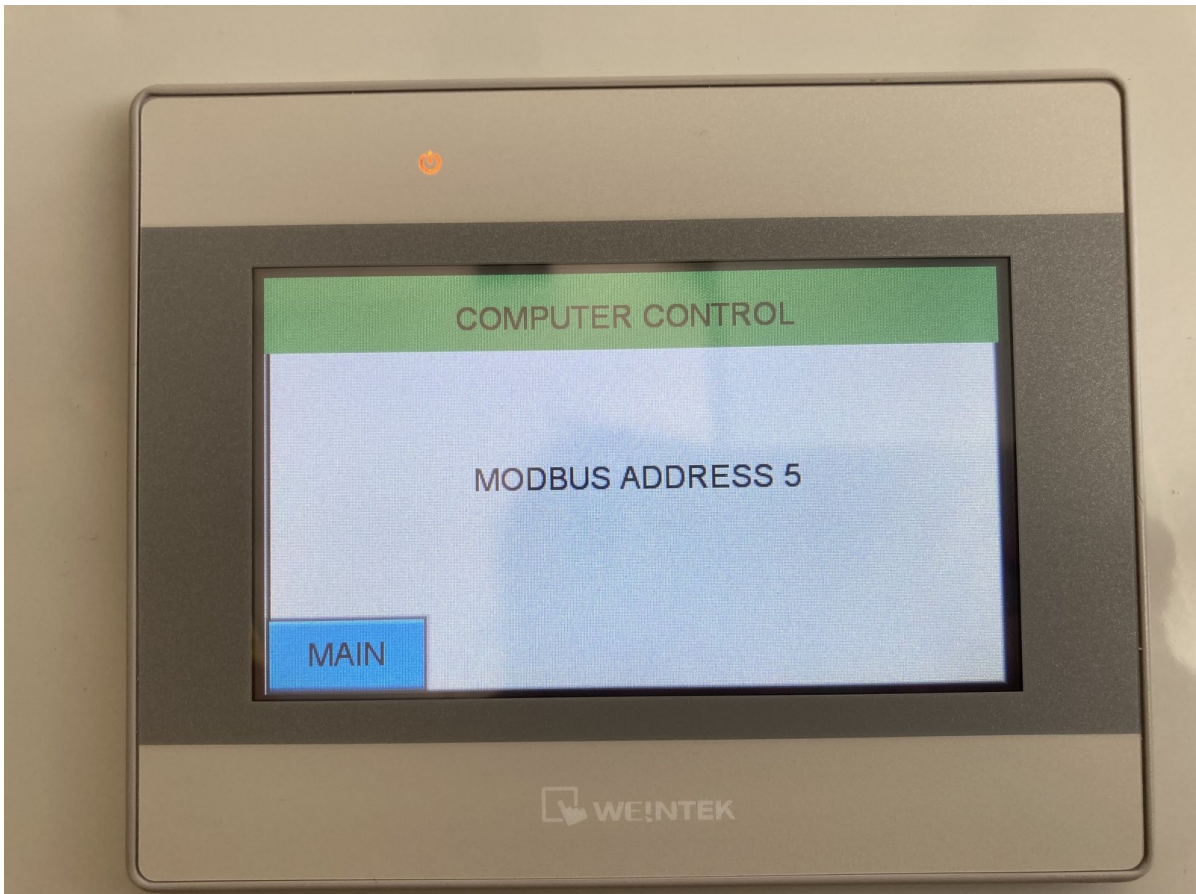
START	Button START
STOP	Button Stop
ON	Lamp that indicates that the generator is working
MAIN	Button MAIN - returns to MAIN menu
AM	Button AM - opens AM Ultrasonic menu
Amplitude %	Amplitude setting in %
Sweeping depth Hz	The deviation of the sweeping frequency around the operation frequency in Hz
SW frequency Hz	Frequency setting in Hz

ULTRASONIC AM MENU



START	Button START
STOP	Button Stop
ON	Lamp that indicates that the generator is working
BACK	Button BACK - returns to Ultrasonic menu
AM Frequency Hz	The maximum value of the frequency of the amplitude modulation
AM Amplitude %	The depth of the amplitude modulation

COMPUTER CONTROL

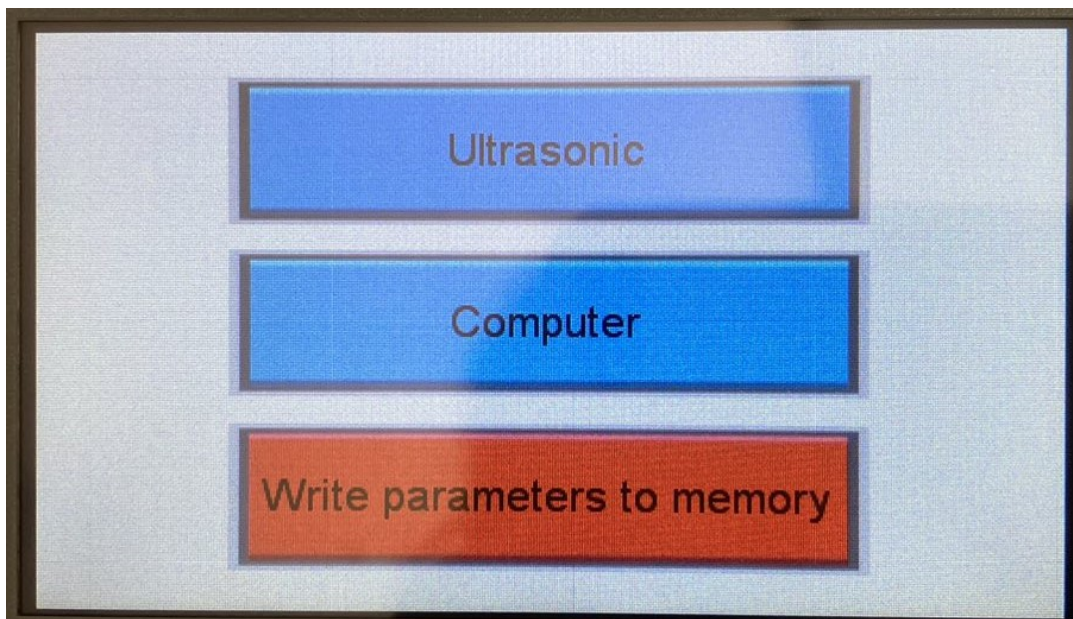


When the generator is in COMPUTER CONTROL MODE , the Mod-Bus Port becomes available for connection with PC that has the required control software.

HOW TO OPERATE WITH THE EQUIPMENT

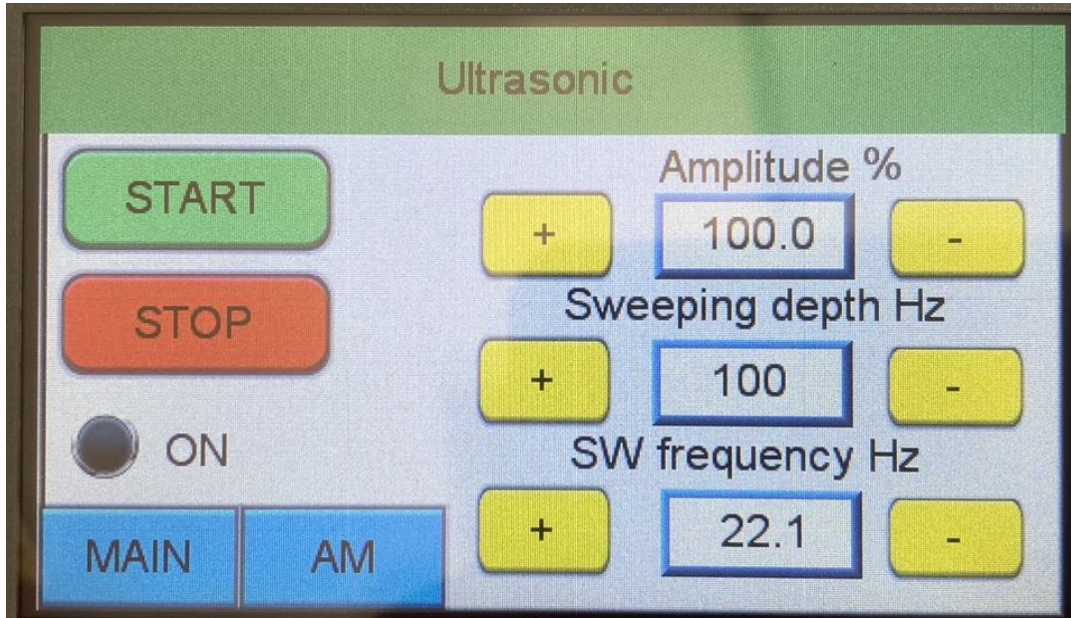


1. After the cable is plugged in at the bag of the device switch ON and you are ready to work.

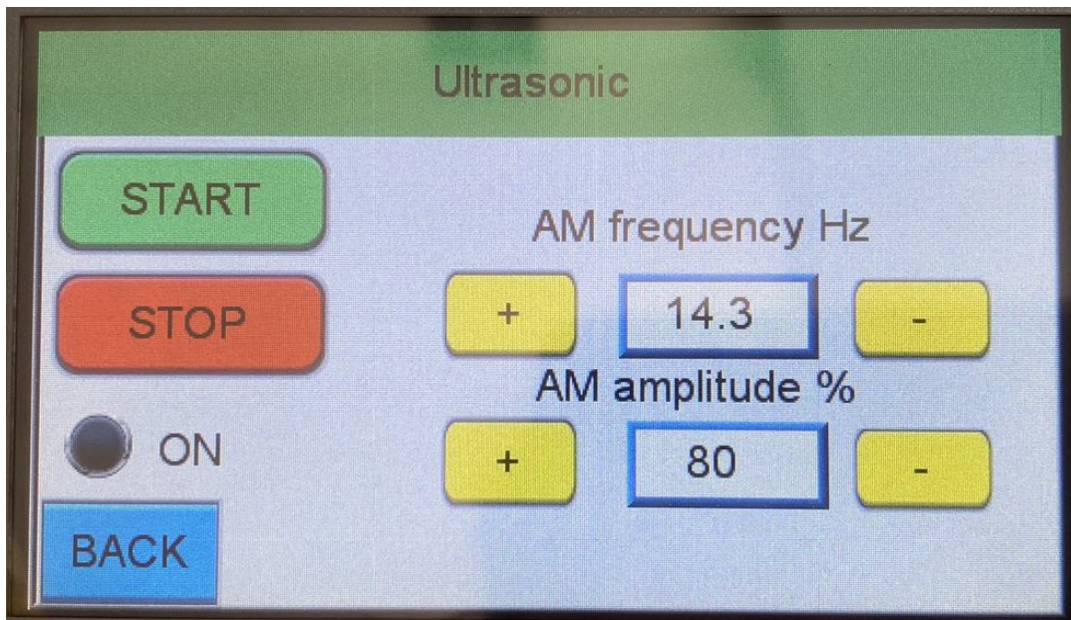


2. Press the "Ultrasonic" button in MAIN menu.

HOW TO OPERATE WITH THE EQUIPMENT

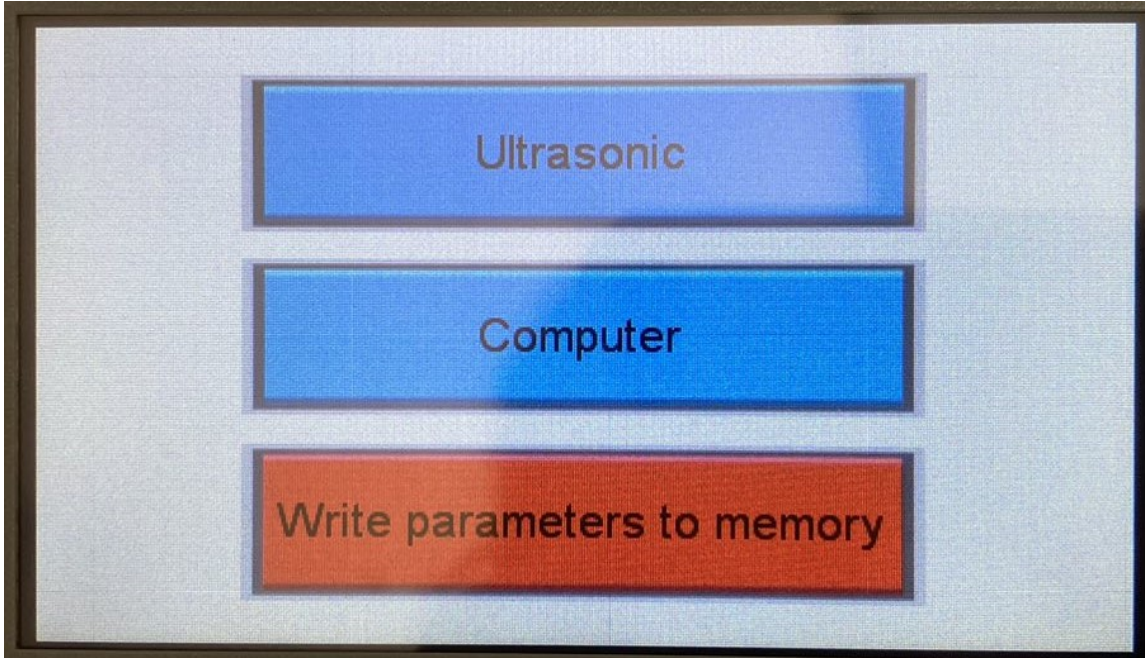


3. Set the desired settings. If you need to set the AM parameters press the “**AM**” button.



4. Set the desired settings. Then test the current setting by pressing the “**START**” button.

HOW TO OPERATE WITH THE EQUIPMENT



5. If you want the settings you made to be saved for the next time you use the equipment go to MAIN menu and press ***“Write parameters to memory”*** button.

WARRANTY

The warranty period of the equipment is 12 months.

Damage claims are not accepted in the following cases:

- incorrect post-delivery transport, storage and installation;
- damages caused by natural disasters;
- if attempts were made to repair the damage by people not authorized by the CONTRACTOR;
- when using the product not for its intended purpose;

if the product is installed or reinstalled without prior agreement and participation of the CONTRACTOR.

NO RESPONSIBILITY CAN BE SOUGHT FROM MPI LTD. FOR ANY CIRCUMSTANTIONAL DAMAGE, NOR FOR ALLEGED DAMAGE, NOR FOR DAMAGES CAUSED TO THIRD PARTIES.



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