

Multi-purpose Test System MTS-MONO-ME

EQUIPMENT CERTIFICATE

NFTSR.411113.005 EC

TABLE OF CONTENTS

1 GENERAL 3
2 PRODUCT INFORMATION 3
3 GENERAL SPECIFICATIONS 4
4 SCOPE OF SUPPLY 4
5 MANUFACTURER'S WARRANTY AND LIFETIME 6
6 PACKING FORM 8
7 ACCEPTANCE FORM 9
8 VERIFICATION 10
9 SPECIAL NOTES 11
10 RECYCLING 12

1 GENERAL

1.1 You must read the User Manual and Equipment Certificate for the MTS-MONO-ME test system (the Test System below) carefully prior to using it.

1.2 The Equipment Certificate (the EC below) included in the scope of supply must be kept in the vicinity of the Test System at all times.

1.3 All records in the EC must be clearly written in ink. Any erasures or unverified corrections are unacceptable.

1.4 A wrong record must be carefully crossed out and a correct one verified by the signature of an authorized person must be written nearby.

1.5 A new record must be followed by the initials and name or by the personal seal of an authorized person.

1.6 If the Test System is transferred to another facility, the corresponding summary records in the EC must be verified by the corporate seal of an enterprise that transmits the Test System.

1.7 After being manufactured, new equipment undergoes acceptance tests and primary calibration. The fact of acceptance is confirmed by placing a seal in the hole of a panel fastening screw.

1.7 Only authorized specialists are allowed to carry out repair, verification and calibration jobs and place acceptance seals thereafter.

1.8 Only specialists of the company which operates the Test System are allowed to make records in this Equipment Certificate.

2 PRODUCT INFORMATION

This Equipment Certificate describes the MTS-MONO-ME multi-purpose test systems (the Test System below).

Date of manufacture _____

Serial number _____

Manufacturer: OOO “NPP Mars-Energo”
Legal address:
V.O. 13 Line 6-8, Lit. A, Office 40H, Saint-Petersburg, Russia, 199034

The Test System is manufactured in compliance with Technical Specifications NFTSR.411113.005 TS.

Declaration of Conformity was issued under Serial No ЕАЭС N RU Д-RU.PA03.B.37737/22 on 04

May 2022.

The Test System was registered under No 89778-23 in the National Registry of Measuring Instruments.

3 GENERAL SPECIFICATIONS

The general specifications of the Test System are given in the User Manual.

4 SCOPE OF SUPPLY

The scope of supply is listed in Tables 4.1 – 4.

Table 4.1 – Scope of supply

Name	Designation	Q-ty
Model of the Test System: MTS-MONO-ME 3.12 MTS-MONO-ME 3.120 MTS-MONO-ME 1.120 MTS-MONO-ME 3.120-X-X/X-S	 NFTSR.411113.005 NFTSR.411113.005-01 NFTSR.411113.005-02 NFTSR.411113.005-03	1 instrument
User Manual	NFTSR.411113.005UM	1 copy
Equipment Certificate	NFTSR.411113.005EC	1 copy
Standard Kit		See Table 4.2 *
Notes. * Optional accessories are included in the delivery package as specified in the Supply Agreement.		

Table 4.2 – Standard Kit

Name	Designation	Q-ty
Connection cable for USB		1
Connection cable for Ethernet, 2 m, RJ-45 – RJ-45		1
USB drive with EnfCalibrationRig, EnForm, and PTN4 software for Windows		1
Power supply cable		1
Measuring cables		1 set*
Scanning head SH		1 set
Pulse Former		1 set
Connection cable for "F_{IN}" input connector	MC6.705.072	1

Connection cable for "F_{OUT}" output connector	MC4.853.017	__ **
Connection cable for "U_{IN}/U_{OUT}" and "I_{IN}/I_{OUT}" input connectors	MC6.705.589	1
Package		1 set
Notes: * Particular delivery package depends on the model of the Test System (see Table 4.4) ** This item is provided only for the Test System with DC Calibrator Function (model MTS-MONO-ME X.X-X-X/X-X-C)		

A particular delivery package may be agreed to include items listed in Table 4.3.

Table 4.3 –Accessory kit (optional)

Name	Designation	Q-ty *
Personal computer (PC)		
Extension lead for PC		
Calibrated Coil KT-3-10	MC4.769.504-01	
Calibrated Coil KT-3-20	MC4.769.504-02	
Calibrated Coil KT-3-100	MC4.769.500	
Calibrated Coil KT-1-300	MC4.769.502	
Test Bench SMD (for positioning electrical energy meters)	MC3.621.010	
Connection cable for RS-232		
Connection cable for "$F(R)_{IN}$" input connector	MC6.705.071	
Environment monitor		
Ethernet switch		
Laser printer		
Note: * The quantity is subject to change upon request.		

Table 4.4 – Measuring cables

Test System model	Designation of the cable	Name of the cable	Number of pieces
MTS-MONO-ME 3.12	MC6.705.620	Voltage measuring cable	4
	MC6.705.693	Current measuring cable (12A)	3
MTS-MONO-ME 3.120	MC6.705.620	Voltage measuring cable	4
	MC6.705.693	Current measuring cable (12A)	3
	MC6.705.629	Current measuring cable (100A)	6
MTS-MONO-ME 1.120	MC6.705.620	Voltage measuring cable	2
	MC6.705.693	Current measuring cable (12A)	1
	MC6.705.629	Current measuring cable (100A)	2

5 MANUFACTURER'S WARRANTY AND LIFETIME

5.1 All of the warranty provisions stated below operate under the laws of Russian Federation which govern the protection of consumer rights.

5.2 All of the Devices produced by Mars-Energo are warranted to conform to the specifications stated in the Equipment Certificate **for a period of 18 (eighteen) months** from the date of purchase. Warranty period for the batteries is 6 (six) months from the date of purchase. The Device believed to be defective may be sent within the warranty period to Mars-Energo for inspection (Warranty Claim enclosed, transportation prepaid). If the inspection carried out by Mars-Energo confirms that the Device is defective, it will be repaired or replaced (at manufacturer's option) at no charge, within the underlisted limitations (paragraph 5.3), and returned prepaid to the location specified in the buyer's Warranty Claim. All replaced parts become the property of Mars-Energo.

Conditions

5.3 In the event of any Device's failure or defect in manufacture or material during the warranty period (provided that the transportation, storage and operating conditions outlined in this Manual are fulfilled), send the Device to Mars-Energo along with the sales invoice or other proof of Device's ownership and date of purchase. If these documents are absent, the warranty period is calculated from the date of manufacture of the Device.

Mars-Energo retains the right to reject a warranty claim, if the documents listed in the previous section are filled out incompletely, incorrectly, or illegibly. This warranty will not be applicable to the Devices whose serial number has been altered, removed or made illegible.

This warranty will not cover the damages to your Device caused during shipment to and from Mars-Energo.

This warranty will not be applicable for:

1) Parts requiring regular maintenance or replacement due to natural wear

2) Consumable parts (parts, the nature of which is to become worn or depleted with use, such as batteries)

3) Damages to the Device caused by:

a) Any use other than correct use described in the User manual including:

- Handling the Device resulting in mechanical damages, cosmetic or visual defects, modification of the Device, or damages to the LCD
- Incorrect installation
- Any maintenance other than correct maintenance described in the User manual

- Installation and use inconsistent with the technical and safety standards that are in force in the country where the Device has been installed and used

b) Computer virus infection or by use of software not supplied by Mars-Energo, or damages caused by incorrect software installation

c) Condition or defects of a system or its elements with which or as part of which the Device was used, excluding other Mars-Energo's products intended for use with the Device

d) Accessories or ancillary equipment not made by Mars-Energo or authorized by Mars-Energo for use with the Device with respect to the type, condition or characteristics of this equipment

e) Repair or attempts to repair the Device executed by an unauthorized person or company

f) Adjustments or modifications made to the Device without prior written consent of Mars-Energo

g) Negligent handling

h) Accidents, fire, ingress of liquids, chemicals or other materials, flood, vibration, heat, improper ventilation, variations of supply voltage, improper power supply or input voltage, electrostatic discharge including lightning, or any other impacts or external actions beyond the reasonable control of Mars-Energo and not covered by the technical documentation for the Device .

The present warranty only covers hardware failures. This warranty does not cover failures of software (produced either by Mars-Energo or by other manufacturers), which are the subject of express or implied end user license agreements, separate warranties, or exclusions

5.4 It is highly recommended to make a backup copy of the data from the Device's internal memory and store it on another (external) media. Mars-Energo shall in no circumstances be liable for any direct or indirect damages or losses, whether incidental, consequential or otherwise, including but not limited to loss of profits, loss of use or any deletion, corruption, destruction or removal of data, disclosure of confidential information or infringement of privacy, data recovery expenses, losses arising out of interruption of commercial, production or other activities based on use or loss of use of the Device

5.5 The Warranty terms and conditions for the Devices purchased by a legal entity are specified in the Supply Agreement. The Warranty obligations in this case are governed by Civil Law.

5.6 The average lifetime of the Device is 10 years.

Manufacturer's address (for warranty claims):

OOO "NPP Mars-Energo"
V.O. 13 Line, 6 - 8, office 41H, St. Petersburg, Russia, 199034
Tel/Fax: (812) 327-21-11, (812) 331-87-35 (812) 334-72-41
E-mail: mars@mars-energo.com
Web-site: www.mars-energo.com

E-mail: mail@mars-energo.ru

www.mars-energo.ru

6 PACKING FORM

6.1 Test System MTS-MONO-ME _____

serial number_____

was packed by OOO "NPP Mars-Energo" in compliance with the corporate Technical Requirements in force.

Packer_____ (Signature and name)

Date_____

6.2 Repackaging procedure and people responsible for repackaging

Re-packager	_____	_____	_____	_____
	Position	Signature	Name	Date
Re-packager	_____	_____	_____	_____
	Position	Signature	Name	Date
Re-packager	_____	_____	_____	_____
	Position	Signature	Name	Date

7 ACCEPTANCE FORM

Test System MTS-MONO-ME _____

Serial number_____, firmware version _____

was manufactured in compliance with Technical Specifications NFTSR.411113.005 TS and approved as ready for use.

Acceptance Supervisor _____ (Signature and name)

(Corporate Seal)

Date_____

8 VERIFICATION

8.1 Results of verification

Test System MTS-MONO-ME _____

Serial number _____

Date of verification	Type of verification	Results of verification (pass / fail)	Signature of verifier and verification stamp	Due date of next verification

9 SPECIAL NOTES

10 RECYCLING

This product relates to electrical and electronic equipment that must not be discarded as domestic waste according to WEEE (Waste Electrical and Electronic Equipment) Directive.

For proper disposal of the product, contact the manufacturer.

The Equipment Certificate has _____ pages in total.
Number of pages

Acceptance Supervisor _____ (Signature and name)

(Corporate Seal)

Date_____