

Limited Liability Company

"EXOTRON TECHNOLOGY"

2020

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The given passport is aimed at introducing to the technical data and a device for fuel pumping station EST-02 MINI (further in the text - 'station', 'device').

Before operating familiarize with the manual and a technical passport of the fuel pumping station EST-02 MINI.

1 MAIN DEVICE DATA

Device name:	Fuel pumping station
Model:	EST-02 MINI
Production serial number:	
Manufacture date:	2020
Expected lifetime:	not less than 5 years
Declaration of compliance:	
Manufacturer:	"EXOTRON TECHNOLOGY"
Manufacturer's adress:	The Republic of the Crimea Gazeta Krymskaia Pravda Street 6B, 23
Phone number	+7 (804) 333-06-73 +7 (978) 701-38-59
E-mail:	info@exotron.ru

2 TECHNICAL CHARACTERISTICS

- Main technical characteristics

2.1.1 Technical characteristics of fuel pump station are provided in Table 1

Table 1.

Measures: height/width/depth mm	260x140x370
Supply	12V
Weight	8 кг
Fuel dispensing indicators	seven-segment indicator
Relative calculating inaccuracy and dispensed fuel volume indication	0,5%
Flow speed of fuel	30 liters per minute
Joint diameter	19 mm
Operating temperature range	-20°C +50°C
Maximum air humidity	85%
Type of fuel	disel
Type of climate performance	NF climatic category 2 (GOST 15150)
Maximum power consumption	400 watt

2.2 Equipment design

2.2.1 Fuel pump station EST-02 MINI is a system based on the logic controller SI20.

FPS is designed for the calibration of tanks, containers, fuel cisterns by service specialists. FPS is deviced with a highly reliable fuel dispensing mechanism.

Fuel volume input is entered with the help of controller buttons. Data on fuel supply is provided by flow rate meters with a pulse output.

SPT controls the electric motor of the pump. In case there is foreign material intrusion while the fuel is pumped out, filters of fine clearing must be installed at the pump inlet.

2.3 Operating conditions

Fuel pump station is designed to be operated in mild and cold climate conditions of category 2 according to GOST 15150.

2.4 Reliability indicator: average service durability is not less than 5 years.

TRANSPORTATION AND STORAGE

3.1 Device must be transported in the enclosed means of transport. The storage conditions must comply with the storage conditions 5 stated in GOST 15150-69.

3.2 The storage of the device in the transportation package in the manufacturer and consumer's warehouse must comply with the storage conditions 3 stated in GOST 15150-69. Expiration date of the device in the package without representation must be not more than 2 years since the production date. The premises for the storage must be free of conductive dust, acid and alkali fumes, as well as corrosive gases and seal damaging gases.

4 COMPLETENESS

4.1 Completeness is specified in Table 2

Table 2.

Product description	Name	Quantity (units)	Production serial number	Comments
1.	Fuel pump station EST-02	1	-	-

	MINI			
2.	SPTA Set List	1	-	-
3.	Maintenance documentation	1	-	-

5 MANUFACTURER WARRANTY

Limited Liability Company "EXOTRON TECHNOLOGY" guarantees the compliance of the fuel pump station with the set of design and technical requirements of the manufacturer as well as with the regulatory technical documentation.

Manufacturer guarantees reliable and trouble-free operation of the fuel pump station in case consumer follows the rules of transportation, storage and operation, which are stated in the installation, operation and technical maintenance specifications.

5.1 Statement of warranty:

1) Manufacturer guarantees the adherence of the device to the technical requirements 28.13.11 – 001 – 00193312 – 2020 while meeting the requirements of transportation and storage, as well as installation and operation.

2) Warranty period - 12 months since the beginning of operation, but not more than 18 calendar months since the day of goods loading to the customer from the manufacturer warehouse, specified in the shipping list.

3) Manufacturer has a right to implement modifications to the device construction without the deterioration of the functional characteristics, as well as without prior notice.

5.2 All warranties shall immediately terminate in the event that:

- the warranty period have been completed;
- loss of passport;

- not meeting the storage and maintenance, transportation, installation and operation instructions set required by the operation and installation manual.

5.3 Warranty does not extend beyond:

- damage, caused as the result of staff's operational mistakes, usage of faulty replacement part or other physical mishandling;
- incandescent lamp, safeguards, consumables, sealing gasket ring;
 - fault, which are caused by the equipment and/or the details, which are not a part of the main supplied module;
 - damage, which is caused to another equipment during the incorrect installation or operation of the supplied module;
 - damage, which is caused to the deliberate introduction of changes to the construction or technical documentation without previously consulting and confirming with the manufacturer;
 - traces of corrosion or other signs of moisture ingress in the device package;
 - damages, which are caused by the intrusion of the foreign materials, chemicals, liquids, insects;
 - damages, which are caused by the natural disasters, fires, domestic factors, occasional external factors, as well as accidents;
 - damages, which are caused by the incompatibility of the characteristics or incorrect connection to the terminal of additional devices and detectors.

ATTENTION! Manufacturer is not responsible for the complaints on damage or loss of data, which exceed the cost of the device, as well as complaints on the damage, which is caused accidentally or on purpose. Manufacturer does not also carry responsibility for the damage, which is caused as a result of device usage or absence of possibility to use the device within the standards constituted by the law.

Notice

1. The first line should be filled by the manufacturer of the device.
2. The following lines are filled during the operation.

7. INFORMATION ABOUT THE PACKING

INFORMATION ABOUT THE PACKING

THE FUEL PUMP STATION

MODEL: EST-02 MINI

(THE NAME OF THE MODEL)

(serial number)

Packed:

Limited Liability Company

"EXOTRON TECHNOLOGY"

(name or code of manufacturer)

**ACCORDING TO THE REQUIREMENTS, STIPULATED D IN THE EXISTING
TECHNICAL DOCUMENTATIONS**

(JOB TITLE)
(DECIPHER OF SIGNATURE)

(PERSONAL SIGNATURE)

(DATE)

8 STATEMENT OF ACCEPTANCE INSPECTION

STATEMENT OF ACCEPTANCE INSPECTION

Fuel pump station

Model: EST-02 MINI

(name of the model)

(serial number)

Produced and accepted with accordance to the regulatory state (national) requirements, existing technical documentation and approved as suitable for the operation.

Head of QC Department

L.C.

(job title)

(desipher of signature)

(date)

9 STATEMENT OF UTILIZATION

Complete or partial utilization of the components and materials of the device construction are regulated by the Russian Federation law, which establishes the procedure of the waste disposal, hazardous wastes, packaging materials and packaging wastes. Statements contained herein are the fundamental principles and constitute the rules which must be adhered to by all the subjects of the state. Special demands concerning the operation and/or utilization with regards to the allowed chemical, radioactive, thermal or biological effects on the environment are not claimed. Additional measures of precautions with regards to the utilization are not required.

10 SAFETY REQUIREMENTS

Protective measures against electric shock hazard conform with class I GOST 12.2.007.0-75.

Electrical work, connection to a power supply network and grounding (earthing) must be performed by a qualified specialist in a strict compliance with Rules of the Technical Operation of Electrical User, User Safety Rules for Operating Electrical Equipment, Rules For Arrangement Of Electrical Installations, as well as the requirements of this document.

Date	Type of technical service	Operating time		Bases (name, number and date of the document issue)	Job title, last name and signature		Notes
		After the last maintenance	From the beginning of operation		Executed the job	Checked the job	

12 NOTICE OF DEFECTS

LLC "EXOTRON TECHNOLOGY" considers the complaints on the quality and completeness of the device under the condition that the consumer adheres to the rules, constituted by the operation documents and upon the availability of the passport.

In case the device does not work or a defect is detected while warranty is still valid, a customer must send a malfunctioning report to the adress of the

