

TEST REPORT

AFD.01.2769 -18

The device **FMT100**, manufactured
of UAB "Teltonika", IP65 code verification



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BANDYMAI
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APPROVED



The chief of the EGSC Testing Centre

A. Petrov

2018-05-03

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AFD.01.2769 -18, 6 pages

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Tested: 2018-05-02 ÷ 2018-05-03

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This Test Report is based on:
LST EN 60529:1999+A1+AC:2002
(EN 60529:1991+AC:1993+A1:2000)

EGSC Testing Centre

| | |
|--------------------------|--|
| Type of appliance | - The device |
| Type/model, ref., number | - FMT100 , 1 unit, No. 032/BC (EGSC) |
| Manufacturer | - UAB "Teltonika", Liepkalnio str. 132A, LT-02121 Vilnius, Lithuania |
| Customer | - UAB "Teltonika", Liepkalnio str. 132A, LT-02121 Vilnius, Lithuania |
| Trade mark | - --- |
| Order for test | - No. 08 dated 2018-04-26 |
| Contract | - --- |
| Application | - No. Numberless application dated 2018-04-18 |
| Received | - 2018-05-02 |

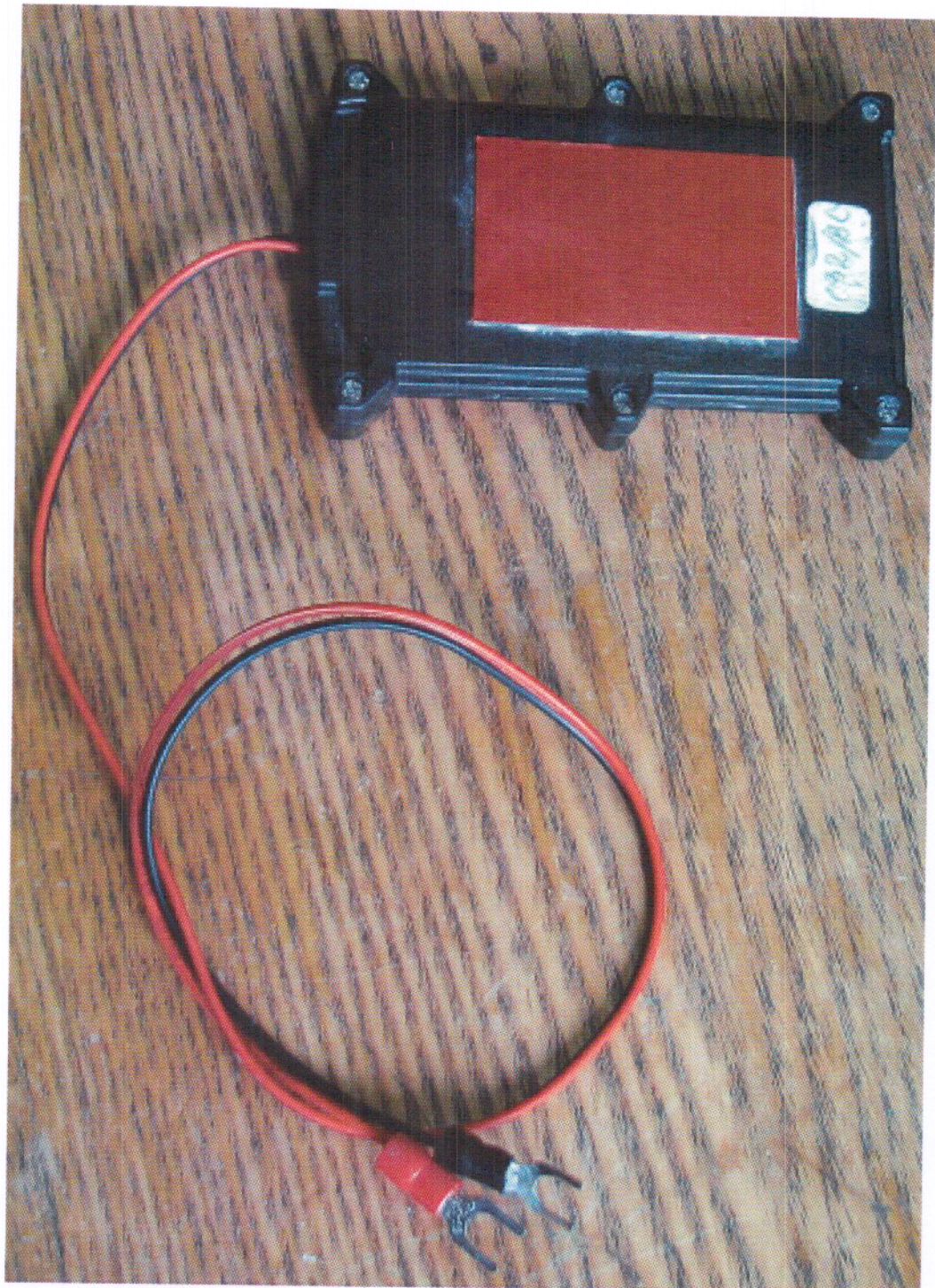


Figure 1. The device **FMT100**

Possible test case verdicts (placed in the column "**Verdict**")

P – pass

F – fail

N – not applicable

n – not tested

The tests are carried out with accordance the program of order for test
No. 08 dated 2018-04-26

The test results concern only to the testing objects

| Subclause | Required | Verdict |
|-----------|----------|---------|
| 1 | 2 | 3 |

LST EN 60529

| | | |
|-----------|---|--|
| 12 | Tests for protection against access of to hazardous parts indicated by the first characteristic numeral | |
| 12.2 | Test conditions The access probe is pushed through any openings of the enclosure with the force specified in Table VI | P Test wire 1,0 mm diameter, 100 mm long 1 N ± 10 % |
| 12.3 | Acceptance conditions The protection is satisfactory if adequate clearance is kept between the access probe and hazardous parts | P |
| 12.3.1 | For low-voltage equipment (rated voltages not exceeding 1000 V a.c. and 1500 V d.c.): The access probe shall not touch hazardous live parts | P |
| 13 | Tests for protection against solid foreign objects indicated by the first characteristic numeral | |
| 13.4 | Dust test for first characteristic numerals 5 and 6 The test is made using a dust chamber shown in Figure 2 The duration of the test 8 h | P P |
| 13.6 | Special conditions for first characteristic numeral 6 | |
| 13.6.1 | The enclosure shall be deemed category 1 | P |
| 13.6.2 | Acceptance conditions for first characteristic numeral 6 The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test. | P No deposit of dust is observable inside the enclosure |

| 1 | 2 | 3 |
|--------|--|--|
| 14 | Test for protection against water indicated by the second characteristic numeral | |
| 14.2 | Test conditions | |
| | The tests are conducted with fresh water | P |
| | During the tests the water temperature should not differ by more than 5 K from the temperature of the specimen under test | P |
| 14.2.5 | Test for second characteristic numeral 5 with the 6,3 mm nozzle | |
| | The test is made by spraying the enclosure from all practicable directions with a stream of water from a standard test nozzle as shown in Figure 6 | P |
| | The conditions to be observed are as follows: | |
| | - internal diameter of the nozzle 6,3 mm; | P |
| | - delivery rate 12,5 l/min \pm 5 %; | P |
| | - minimum test duration 3 min; | P |
| | - distance from nozzle to enclosure surface between 2,5 m and 3 m. | P |
| 14.3 | Acceptance conditions | |
| | After testing the enclosure shall be inspected for ingress of water. | P |
| | If any water has entered, it shall not: | P |
| | | No trace of water is observable inside the enclosure |
| | - be sufficient to interfere with the correct operation of the equipment or impair safety; | --- |
| | - deposit on insulation parts where it could lead to tracking along the creepage distances; | --- |
| | - reach live parts or windings not designed to operate when wet; | --- |
| | - accumulate near the cable end or enter the cable if any. | --- |