



## 1. TITLE OF THE CERTIFICATE (HU)

34-522-03 Elektronikai műszerész

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Electronic technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

## 3. PROFILE OF SKILLS AND COMPETENCES

**A typical holder of the certificate is able to:**

- Check the parameters of electric components;
- Prepare and produce printed circuit board and check consistent with the technology;
- Build-in the electronic components;
- Solder the components;
- Insert the mechanical components;
- Perform the wiring and connection tasks specified in the description;
- Complete the installation of the circuit;
- Install the finished circuit into the equipment;
- Switch on the circuit and the equipment;
- Comprehend analogue and digital circuit documents;
- Determine simple physical circuit features by calculation;
- Assemble the metering system based on documents;
- Check and set the metering system;
- Perform measurements based on documents and instructions;
- Run computer test programs;
- Based on measurements, perform the necessary setting of circuit features;
- Delineate the faulty circuit unit or element according to instructions;
- Replace the delineated faulty module or circuit element;
- Prepare minutes about the measurement results and the repair work;
- Provide quality control and mid-production information;
- Based on the technical descriptions operate computerised devices.

## 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

7341 Technician and mechanic of electric machines and devices

7342 Technician and repair specialist of IT and telecom equipment

### (\*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: <http://europass.cedefop.europa.eu/>

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## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the institute issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry for National Economy</p>																
<p><b>Level of the certificate (national or international)</b></p> <p><b>Level of vocational qualification according to the National Qualification Register:</b> 34 secondary vocational qualifications, which are based on elementary school qualifications or the entry competences defined in the professional and examination requirements and may be typically obtained in formal education</p> <p><b>ISCED2011 code:</b> 3</p> <p><b>NQF level:</b> 5</p> <p><b>EQF level:</b> 5</p>	<p><b>Grading scale / Pass requirements</b></p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																
<p><b>Certificate number:</b> PT K</p> <p>Serial number: 123456</p> <p><b>Certificate issue date:</b> 2021.07.21</p>	<p><b>Results achieved at the examination and their proportion expressed in percentage in the complex mark</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Central written examination</td> <td style="width: 40%;">Technical knowledge, documentation</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 25%; text-align: center;">30.00</td> </tr> <tr> <td>Practical examination</td> <td>Circuit installation</td> <td style="text-align: center;">5</td> <td style="text-align: center;">30.00</td> </tr> <tr> <td>Practical examination</td> <td>Checking compound electronic circuits</td> <td style="text-align: center;">5</td> <td style="text-align: center;">40.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td style="text-align: center;">5</td> <td></td> </tr> </table>	Central written examination	Technical knowledge, documentation	5	30.00	Practical examination	Circuit installation	5	30.00	Practical examination	Checking compound electronic circuits	5	40.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<p><b>Access to next level of education/training</b></p> <p>To secondary education</p>	<p><b>International agreements</b></p>																
<p><b>Other information concerning the vocational training process</b></p>																	
<p><b>Legal basis</b></p> <p>Act CLXXXVII of 2011 on Vocational Training Decree 29/2016 (VIII.26.) NGM of the Ministry for National Economy on the professional and examination criteria of vocational courses.</p>																	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 30 % Practice: 70 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		3 years

**Entry requirements:**

- Completion of elementary school
- Requirements for medical fitness shall be met

**Vocational requirement modules:**

10007-16 Introduction to informatics and technology

11497-12 Employment I

11499-12 Employment II.

11500-12 Occupational health and safety

10320-16 Electronic equipments

10321-16 Industrial application of circuits

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

**National Reference Point – NSZFH – <http://nrk.nive.hu>**

Head of Examination Organiser:

Issue date: 2021.07.21

**SEAL**