O I M L   C e r t i f i c a t e

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Streamax Technology Co., Ltd 21-23/F B1 Building, Zhiyuan No 1001 Xueyuan Avenue Nanshan District, Shenzhen City Guangdong Province China
Identification of the certified type	**Taximeter** Manufacturers mark: Streamax Type: TP2V4
Characteristics	See following page(s)

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 21 (2007) "Taximeters"

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above.
This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority	**NMi Certin B.V., OIML Issuing Authority NL1** 27 May 2024 Certification Board

The conformity was established by the results of tests and examinations provided in the associated report(s):
-     No. NMi-3754694-01 dated 27 May 2024 that includes 35 pages.

Characteristics of the measuring instrument

		Range	Resolution
Electromagnetic immunity class		E3	
Mechanical environment class		M3	
Climatic environment	temperature range	-10 °C / +70 °C	
	humidity	condensing	
	intended location	closed	
Distance signal generator constant k [km^{-1}]		500 to 15000	1
Time tariff [CU/h]		0 to 200.00	0.01
Distance tariff [CU/km]		0 to 20.00	0.01
CU = Currency Unit			
Time measuring signal frequency		1 Hz	
Power supply voltage		9 – 16 V DC	
Software identification		Version	Checksum
	Terminal	TPZ_V3.5.5_D24052402	1861130198
	MCU	TPZ-M01-GD32-MCU-T24050342	3340815587

The construction of the measuring instrument is described in Description R21-24.01 revision 0 and Documentation folder number R21-24.01-1

Certificate history:

Revision	Date	Description of the modification
Initial	2024-05-27	-
		-

1 General information about the taximeter

All properties of the taximeter, whether mentioned or not, shall not be in conflict with the legislation.

1.1 Essential parts

Number	Pages	Description	Remarks
21-24.01/0-01	2	Computer box	Layout
21-24.01/0-02	1	Computer box	Parts list
21-24.01/0-03	2	Display unit	Layout
21-24.01/0-04	3	Display unit	Parts list

External battery manufacturer Streamax, type UPS (4.0).

EMI measures:
- metal housing;
- shielded cable between Computer box and Display unit;
- software filtering of distance input pulses.

1.2 Essential characteristics

Secured interfaces:
- RS232;
- USB;
- SD-Card;
- 4G;
- Panic button;

Distance sensor input: Low voltage -12,0 – 0,8 V
High voltage 3,0 – 12,0 V
Trigger Low/high transition

Displaying parameters:

From operation position:	For hire
To display:	Select:
totalizer data	"Setup", "Maintain", "Audit trail"
software identification	"Setup", "Maintain", "Version"
constant of the distance measurement transducer	"Setup", "Peripheral", "Valuate"
non-resettable counter for device constant	"Setup" , "Maintain", "Audit trail"
applied tariffs	"Setup", "Peripheral", "Valuate"

Legally relevant functions:
- Calculation modes S or D, separate setting;
- Automatic change of tariffs due to:
  - time of the day.
- Operating positions "For Hire", "Hired", "Stopped";
- Totaliser data;
- Checking plausibility of distance measurement signal:
  - Voltage level;
  - Too high speed.

Test connector:

Number	Pages	Description	Remarks
21-24.01/0-07	1	Test connector	-

1.3   Essential shapes

Number	Pages	Description	Remarks
21-24.01/0-08	1	System view	-

Markings:
- fulfil the requirements stated in the legislation;
- the descriptive markings plate is fixed to the rearof the taximeter display.

1.4   Conditional parts

Number	Pages	Description	Remarks
21-24.01/0-05	2	NFC board	Layout
21-24.01/0-06	1	NFC board	Parts list

The taximeter may be equipped with the following peripheral device(s):
- Printer manufacturer Streamax, type M15;
- Device(s) prescribed by national legislation.

1.5   Non-essential parts

The taximeter may be connected to non-essential devices, for example but not limited to mobile data terminal, card readers, seat sensors and roof lights, provided that:
- They do not present primary data not presented by the taximeter;
- They do not lead to an instrument having other essential characteristics than those fixed by this document.

2   Seals

To secure components that may not be dismantled or adjusted by the user, the taximeter is secured in a suitable manner on the locations indicated in the drawing:

Number	Pages	Description	Remarks
21-24.01/0-09	3	Sealing	-

Sealing and separate securing of parameters:
- General settings (including settings depending on national regulations) are protected by an identifier and an audit trail;
- The adjustment of the distance signal generator constant is protected by a mechanical seal and an audit trail;