

# EU-TYPE EXAMINATION CERTIFICATE

**Holley Technology Ltd.,**  
No.181 Wuchang Avenue, Yuhang District,  
310023 HANGZHOU,  
China

EU-Type Examination

Certificate No.

**1792-24**

Revision 0



**Type** DTSD545

**Object** Electronic three-phase four-wire energy meter.  
Direct connected

The object has been assessed and meets the requirements of

**EU Directive 2014/32/EU**  
Module B

The energy meter(s) meet(s) the essential requirements of Annex V of EU Directive 2014/32/EU, on the harmonization of the laws of Member States relating to the making available on the market of measuring instruments (recast).

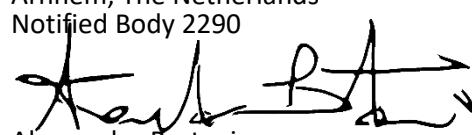
This Certification is based on the report(s) listed in the report list in this Certificate.

This Certificate is valid until: January 9, 2035.



This Certificate comprises 8 pages in total.

Issued by KEMA B.V.  
Klingelbeekseweg 195,  
Arnhem, The Netherlands  
Notified Body 2290

  
Alessandro Bertani  
Director,  
Services & Smart Technologies

Arnhem, January 9, 2025



**REVISION OVERVIEW**

The edition with the highest revision number always replaces the earlier issued editions.

Rev. No.	Date of issue	Reason
0	January 9, 2025	First issue

**REPORT LIST**

This Certificate is issued based on the following reports.

Report number	Revision	Firmware version
1643-24	0	11.00.00.00
1644-24	0	11.00.00.00
1645-24	0	11.00.00.00
1663-24	0	11.00.00.00
1790-24	0	11.00.00.00

**1 TECHNICAL DATA**

Manufacturer	Holley Technology Ltd., No.181 Wuchang Avenue, Yuhang District, 310023 HANGZHOU, China
Production location	Holley Technology Ltd., No.181 Wuchang Avenue, Yuhang District, 310023 HANGZHOU, China
Type	DTSD545
Model	-
Connection	Direct
Type of circuit	3P4W
Accuracy class Wh	0,5/B
Accuracy class varh	2
Meter constant	1000 imp/kWh 1000 imp/kvarh
V range	3*110/190 V to 3*240/415 V
I range I <sub>min</sub> -I <sub>n</sub> (I <sub>max</sub> )	0,25-5(100) A
Frequency	50 and 60 Hz
Temperature range	-40 – 70 °C
Use	Indoor
IP rating	IP54
Protection Class	II
Impulse voltage	6 and 10 kV
Internal clock	Crystal controlled
Environmental class	M1, M2, E1 and E2, CISPR32 class B
Utilisation category	UC3
LR Firmware ID	11.00.00.00
LR Firmware CRC	d21ECE1C
Registry method(s):	Vectoral computation method

**2 PHOTOGRAPHS AND SEALING**

**3 EXAMPLES OF NAME PLATES**



## 5 OPTIONS AND VARIANTS

Overview of variants with details

Type designation	Details of the meter
DTSD545	<ul style="list-style-type: none"><li>• Communication options:<ul style="list-style-type: none"><li>- optical port</li><li>- RS485</li><li>- WiFi 4G</li><li>- PLC</li><li>- M-Bus</li></ul></li><li>• Pulse output</li><li>• Supply control switch</li><li>• external relay</li><li>• RJ45/P1</li></ul>

## END OF DOCUMENT

The laboratories of KEMA Labs are:

- CESI S.p.A., Milan, Italy, accredited by ACCREDIA in accordance with ISO/IEC 17025:2017 under no. 0030L.
- FGH Engineering & Test GmbH, Mannheim, Germany, accredited by DAkkS in accordance with DIN EN ISO/IEC 17025:2018 under no. D-PL-12110-01-00.
- IPH Institut "Prüffeld für elektrische Hochleistungstechnik" GmbH, Berlin, Germany accredited by DAkkS in accordance with DIN EN ISO/IEC 17025:2018 under nos. D-PL-12107-01-00 and D-K-12107-01-00.
- KEMA B.V., Arnhem, The Netherlands, accredited by RvA in accordance with EN ISO/IEC 17025:2017 under nos. L020, L218 and K006 and with EN ISO/IEC 17065:2012 under no. C685.
- KEMA Labs, Zkušebnictví, a.s., Prague, the Czech Republic, testing laboratory no. 1035 accredited by CAI in accordance with ČSN EN ISO/IEC 17025:2018.
- KEMA-Powertest, LLC, Chalfont, United States, accredited by A2LA in accordance with ISO/IEC 17025:2017 under no. 0553.01.

Tests are carried out under the scope of accreditation, unless otherwise indicated in the chapter 'Tests carried out'.

