

## EU-TYPE EXAMINATION CERTIFICATE

Certificate number	1040-21 R0
Manufacturer	VSD Automation Sdn Bhd
Contact person	Mohd Nasran Amzah
Address	No. 30, Jalan Sungai Jeluh 32/192, Seksyen 32, Kawasan,
Postal code, City	Perindustrian Kemuning, 40460, Shah Alam, Selangor,
Country	Malaysia
Production site	VSD Automation Sdn Bhd
Address	No. 30, Jalan Sungai Jeluh 32/192, Seksyen 32, Kawasan,
Postal code, City	Perindustrian Kemuning, 40460, Shah Alam, Selangor,
Country	Malaysia
Instrument	Electronic three-phase four-wire energy meter Direct connected
Mark - Type	DTSD545
Register	LCD
Accuracy Class	Active: B ; 1000 imp./kWh
Measurement range	110/190 .. 240/415 V, 0,25..5(100) A, 50 Hz
Temperature range	-40 .. 80 °C
Use	Indoor, not sensitive to phase sequence
Protection Class	II
Environmental class	M1, M2, E1 and E2
Registry method	Programmable, Bi-directional method separate registers: received- and delivered energy of the whole connection is added in separate registers

The energy meters meet the requirements of Directive 2014/32/EU, on the harmonisation of the laws of Member States relating to the making available on the market of measuring instruments (recast).

Certification was based on compliance with the following harmonised standards:

EN 50470-1:2006	Electricity metering equipment (a.c.)-part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B and C)
EN 50470-3:2006	Electricity metering equipment (a.c.)-part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)
Valid until	2 February 2031

Based on a non-recurrent examination.

Version 1 of this certificate. The results are recorded in the following annex: test report 1039-21 R0.

KEMA B.V.



Bas Verhoeven  
Director, High-Voltage  
Laboratory

Arnhem, 2 February 2021