

EU Type Examination Certificate Number: 0120/ SGS0338

Holley Technology Ltd

No. 181 Wuchang Avenue Yuhang District Hangzhou 310023 China

Instrument Identification

DDZ285 Series Single Phase, Active Import/Export (kWh), Electricity Meter

Instrument Traceable Number 0120/ SGS0338

has been assessed and certified as meeting the requirements of

EU Directive 2014/32/EU

on Measuring Instruments Annex II, Module B

It is certified that the manufacturer's technical design and specimen for the above instrument has been examined and, based on the evidence submitted, it is considered that the instrument conforms to the requirements of Annex V of EU Directive 2014/32/EU

This certificate must be used in conjunction with a certificate covering the product verification as required in Annex II, Module D or Annex II, Module F

This certificate is valid for 10 years from 22nd January 2018 until 21st January 2028

Certification is based on report number(s) SHES171101086601 dated 22nd January 2018 EMA248856/1

Authorised Signature

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DU_CST-ME-002 Rev 1 EU Type Examination Cert.



0120/ SGS0338

Issue Number: 1 Dated: 22nd January 2018

1. Technical Data

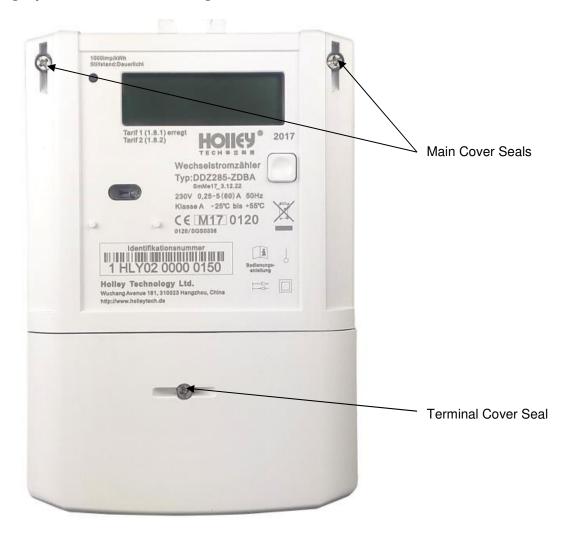
Manufacturer	Holley Technology Ltd		
Meter Type(s)	DDZ285-ZDBA, DDZ285-ZEBA		
Voltage Rating (Un)	230 V		
Current Rating (Imin – Iref (Imax))	0.25-5(60) A		
Frequency (Fn)	50 Hz		
Active Accuracy Class (kWh)	A (kWh)		
Type of circuit	1p2w		
Temperature Range	-25° C to +55° C		
Software/ Firmware Version No	V201001		
CRC Checksum No.'s	02F4		
Identification Location	LCD		
Bill Of Materials No's	HL3.418.593.QJ HL3.418.593.JG		
IP Rating	IP51		
Insulation Protective Class	Class II		
LED Pulse Constant	1000 imp/kWh		
Impulse Voltage Rating	6kV		
AC Voltage Rating	age Rating 4 kV		
Main Cover Sealing Type	Type Wire & Crimp		
Integrity of meter	Inaccessible without breaking seals		
Intended Location of the Meter	Indoor		
Type of Register	LCD		
Terminal Arrangement(s)	DIN		
Location of Manufacturers Address Nameplate			



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2. Photograph of Meter and Sealing Plan



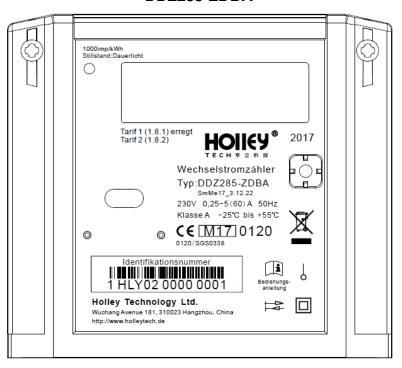


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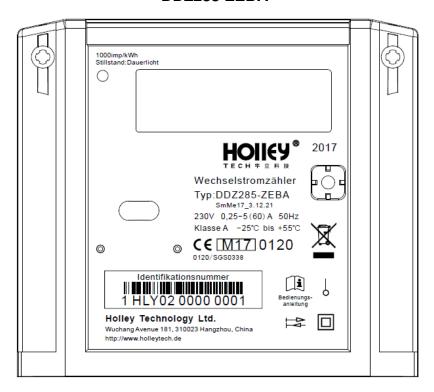
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3. Nameplates

DDZ285-ZDBA



DDZ288-ZEBA





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4. Calculation of the composite error/ MPE

During the type approval examination the influence factors for temperature, frequency and voltage are determined per load point. The table below represents the sum of the square values per load, determined via the following formula:-

$$\delta e (T, U, f) = \sqrt{(\delta e^2 (T, I, \cos\varphi), \delta e^2 (U, I, \cos\varphi), \delta e^2 (f, I, \cos\varphi))}$$

where

 $\delta e(T, I, \cos \varphi) =$ Additional error due to variation of the temperature at the same load $\delta e(U, I, \cos \varphi) =$ Additional error due to variation of the voltage at the same load Additional error due to variation of the frequency at the same load

		Influence Factors for temperature, frequency and voltage					
Current	PF Cos	-25 ℃	-10 ℃	5 ℃	30 ℃	40 ℃	55 ℃
Imin	1.0	0.15	0.10	0.06	0.05	0.05	0.05
ltr	1.0	0.12	0.08	0.04	0.02	0.03	0.02
10ltr	1.0	0.14	0.09	0.01	0.01	0.01	0.01
Imax	1.0	0.37	0.32	0.28	0.27	0.27	0.27
ltr	0.5ind	0.13	0.11	0.09	0.06	0.06	0.08
10ltr	0.5ind	0.12	0.10	0.06	0.05	0.05	0.07
Imax	0.5ind	0.25	0.17	0.10	0.06	0.06	0.09
ltr	0.8cap	0.13	0.09	0.05	0.05	0.04	0.04
10ltr	0.8cap	0.15	0.10	0.05	0.16	0.02	0.02
Imax	0.8cap	0.28	0.18	0.10	0.04	0.04	0.04



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5. Annex of Variants

Product Variant Identification Details:

DDZ285-ZDBA 230V, 0.25-5(60)A, Import/Export kWh, Multi-rate

DDZ285-ZEBA 230V, 0.25-5(60)A, Import/Export kWh, Single-rate

Modifications to the meter(s) described according to approval No.0120/ SGS0338 must be notified to the issuing body to confirm the meter(s) continuing compliance to the relevant pattern approval standard(s).



days only."

EU-Type Examination Certificate Number:

0120/SGS0338

Issue Number: 1 Dated: 22nd January 2018

6. Document Revision History

Issue	Date	Comments
1	22/01/2018	Initial Issue

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