

EU Type Examination Certificate Number: **0120/SGS0497**

# Jiangsu Acrel Electrical Manufacturing Co. Ltd

No.5, Dongmeng Road  
Nanzha  
Jiangyin  
Jiangsu  
China

Instrument Identification  
**ADL 400**

**Polyphase, Active Import/Export kWh, Electricity Meter**

Instrument Traceable Number  
**0120/SGS0497**

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 9<sup>th</sup> September 2021 until 8<sup>th</sup> September 2031  
Issue 1

Certification is based on report number(s):  
SHES210300438001 25<sup>th</sup> August 2021  
EMA291448/1/TR50579 dated 25<sup>th</sup> August 2021, EMA291448/1

Authorised Signature



Tom Törn

SGS Finlko OY, Notified Body 0598  
Takomitie 8, FI-00330 Helsinki, Finland  
t +358 9 6963 61 [www.sgs.fi](http://www.sgs.fi)





EU-Type Examination Certificate Number:

**0120/SGS0497**

Issue Number: 1

Dated: 9<sup>th</sup> September 2021**1. Technical Data**

<b>Manufacturer</b>	Jiangsu Acrel Electrical Manufacturing Co. Ltd
<b>Meter Type</b>	ADL400
<b>Voltage Rating (<math>U_n</math>)</b>	3x230/400V
<b>Current Rating (<math>I_{min} - I_{ref} (I_{max})</math>)</b>	0.01-1(6)A
<b>Frequency (<math>F_n</math>)</b>	50Hz
<b>Active Accuracy Class (<math>kWh</math>)</b>	C ( $kWh$ )
<b>Type of circuit</b>	3p4w
<b>Temperature Range</b>	-25°C to +55°C
<b>Software/ Firmware Version No</b>	V1.01
<b>CRC Checksum No</b>	B8EE40E8
<b>Identification Location</b>	LCD
<b>Bill Of Materials No.</b>	YZ.40.07.00025
<b>IP Rating</b>	IP51 Must be installed in a suitable IP rated enclosure
<b>Insulation Protective Class</b>	Class II
<b>LED Pulse Constant</b>	10000imp/kWh
<b>Impulse Voltage Rating</b>	6kV
<b>AC Voltage Rating</b>	4kV
<b>Main Cover Sealing Type</b>	Main cover clipped in place and sealed with tamper proof sealing tape
<b>Integrity of meter</b>	Inaccessible without breaking seals
<b>Intended Location of the Meter</b>	Indoor
<b>Type of Register</b>	LCD
<b>Terminal Arrangement(s)</b>	DIN
<b>Location of Manufacturers Address</b>	Nameplate & Associated Documents