



Bradfield Road, West Lindfield NSW 2070

## Certificate of Approval

### No 14/2/159

Issued by the Chief Metrologist under Regulation 60  
of the  
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Zhejiang Yongtailong Electronic Model K-Mac Powerheads DDS-1Y Class 1 Electricity Meter

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval does NOT permit the verification of new instruments. It does not become subject to review.

#### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate & appendix 1 issued	8/03/13
1	Pattern & variant 1 amended (amended data) – certificate & appendix 1 issued	12/08/13

#### CONDITIONS OF APPROVAL

##### General

This approval applies only to existing instruments in the field or held in stock.

Instruments may be relocated and reinstalled but shall not be altered in any way other than to replace damaged components with equivalent components.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in black ink, appearing to be 'Dr A Rawlinson'.

Dr A Rawlinson

TECHNICAL SCHEDULE No 14/2/159

**1. Description of Pattern** **approved on 8/03/13**

A Zhejiang Yongtailong Electronic model K-Mac Powerheads DDS-1Y single phase class 1 direct connected static watt hour meter used to measure electrical energy. May also be known as model Patron Power DDS-1Y.

**1.1 Field of Operation**

The field of operation of the measuring system is determined by the following characteristics: (refer also to separate NMI document 14/2/159 Appendix 1 Zhejiang Yongtailong Electronic – All Models')

- |   |                            |          |
|---|----------------------------|----------|
| • | Number of phases           | 1        |
| • | Number of wires            | 2        |
| • | Reference frequency        | 50 Hz    |
| • | Reference voltage          | 240 V AC |
| • | Reference currents:        |          |
|   | Basic current, $I_b$       | 5 A      |
|   | Maximum current, $I_{max}$ | 50 A     |
| • | Accuracy Class             | 1        |

**1.2 Markings**

- |   |                      |              |
|---|----------------------|--------------|
| • | Meter constant value | 1000 imp/kWh |
|---|----------------------|--------------|

**1.3 Verification Provision**

Provision is made for the application of a verification mark.

**2. Description of Variant 1** **approved on 8/03/13**

The model numbers and field of operation of certain other models of Zhejiang Yongtailong Electronic electricity meters are listed in the separate NMI document '14/2/159 Appendix 1 Zhejiang Yongtailong Electronic – All Models' available on the NMI website.

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