



# 48290111

## General information

**Product Range:** DIRIS Digiware I

### Long Description:

DIRIS Digiware I-31 Current; Current measurement module for DIRIS Digiware system; 3; Metering + Load curves

### Short Description:

DIRIS Digiware I-31 Current

## Certificates and declaration

**Conformity to standard #3:** CEC Compliant

**Conformity to standard #4:** -

### Proposition 65 California:

WARNING This product can expose you to chemicals including bisphenol A (BPA), which is known to the State of California to cause birth defects or reproductive harm. For more information go to : [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Container Information

**EAN13:** 3596032783846

**Package Level 1 Units:** B

## Main

**Reference:** 48290111

## General product characteristics

**Device type:** Current measurement module for DIRIS Digiware system

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**Ordering**

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**Country of origin:** FR

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**Standards and regulations**

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**Accuracy**

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**ANSI C12.20:** Class 0.2

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**PMD**

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**IEC 61557-12:** Class 0.5 for the global measurement chain

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**Safety**

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**Safety standards:** IEC/EN 61010-1  
UL 61010-1  
CAN/CSA C22.2 No. 61010-1

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**UL file number:** E257746

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**Safety standard**

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**UL product category:** PICQ/PICQ7

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**Technical characteristics**

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**Communication characteristics**

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**Communication Ports:** RJ45 Digiware bus input output

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**USB port interface:** 1 Type B micro USB; Upgrade and configuration of the module

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**Electrical characteristics**

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**Device power consumption (VA):** 0.52

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## Environnement

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**Relative humidity:** 55 °C / 131 °F / 97% RH (IEC 60068-2-30)

**Storage temperature:** -25 ... +70 °C / -13 °F ... + 158 °F (IEC 60068-2-1/IEC 60068-2-2)

## Environmental characteristics

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**Impact resistance:** Front panel: 1J - casing: 1J (IEC 61010-1 Ed 3.0)

**Maximum operating altitude:** 6560 feet / 2000 m

**Operating temperature:** -10 ... +70 °C / +14 °F ... +158 °F (IEC 60068-2-1/IEC 60068-2-2)

**PEP ecopassport - ISO 14025:** SOCO-2014-06-v1-fr, SOCO-2014-06-v1-en

**Vibration:** 0.35 mm, 25 Hz, 20 min/axe (IEC 61557-12)

## General characteristics

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**Display compatibility:** DIRIS Digiware D-40  
DIRIS Digiware D-50  
DIRIS Digiware D-70

**Webserver compatibility:** WEBVIEW-M  
WEBVIEW-L

## Measurement characteristics

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### Active Energy accuracy:

Class 0.2 ANSI C12.20

Class 0.5 for the global measurement chain according to IEC 61557-12 from 2% up to 120% of the rated current (with TE/TF sensors)

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### Active Power accuracy:

Class 0.2 ANSI C12.20

Class 0.5 for the global measurement chain according to IEC 61557-12 from 2% up to 120% of the rated current (with TE/TF sensors)

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### Current measurement type:

AC

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### Current module input:

RJ12

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### External sensors association:

TE Solid Core; TR/iTR split Core; TF Flexible

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### General measurements:

Metering:

+/- kWh, +/- kvarh, kVAh

Multi-tariff (8 max)

Load curves

Multi-measurement:

I1, I2, I3, In,  $\Sigma P$ ,  $\Sigma Q$ ,  $\Sigma S$ ,  $\Sigma PF$

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### Load type:

To be configured in the module:

1P+N - 1CT

2P - 1CT

2P+N - 2CT

3P - 1CT

3P - 2CT

3P - 3CT

3P+N - 1CT

3P+N - 3CT

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### Measurement level:

Metering + Load curves

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### Measurement updating period:

Configurable from 200ms to 60s

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### Number of current inputs:

3

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### Reactive Energy accuracy:

Class 2 for the global measurement chain with TE, TR or TF current sensors

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### Dimensions:

1 module wide (18mm)

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