



FAD/2

Digital Phase Angle Meter

- ACCURATE AND VERSATILE PHASE ANGLE METER
- COMPACT AND LIGHTWEIGHT INSTRUMENT
- IDEAL FOR HIGH VOLTAGE SUBSTATION AND INDUSTRIAL ENVIRONMENT

Application

The type **FAD/2** digital phase meter is designed for measuring of lead or lag phase angle shifting between two AC signals.

Phase angle measurement between two voltages, between 1 voltage and 1 current, and between two currents, by means of clip-on CT's.

FAD/2 Specification

Measurement

Range: $\pm 180^\circ$.

Accuracy: $\pm 1^\circ \pm 1$ digit.

Frequency Range: 40 Hz to 60 Hz.

Led display: 3 digits with automatic lead (+) and lag (-) indication.

Range

Voltage range: two voltages inputs referred to a common ground: 1 to 400 V.

Current ranges:

- . Direct current input 0.1 A to 30 A;
- . Clip-on CT current inputs: 0.1 A to 30 A (accuracy $\pm 2^\circ \pm 1$ digit).

Power supply

Power supply: 220 V - 50 or 60 Hz.

Power consumption: 5 VA.

Case

Plastic case with handle.

Weight and dimensions

Weight: 2,5 kg.

Dimensions: 190 x 180 x 70 mm.

Protections

Fuse on power supply.

Accessories supplied with the unit

Transport bag.

Power supply cable.

Operating Manual.

2 Clip-on CT's.

Applicable Standards

Electromagnetic compatibility

Directive no. 89/336/CEE dated May 3, 1989, modified by the directive 92/31/CEE dated May 5, 1992.

Applicable Standards: EN 50081-2; EN 50082-2; EN 55011; EN 61000-3-3; EN 50082-2; ENV 50140; ENV 50141; ENV 50204; IEC 1000-4-2; IEC1000-4-4; IEC 1000-4-6; IEC 1000-4-8.

Low voltage directive

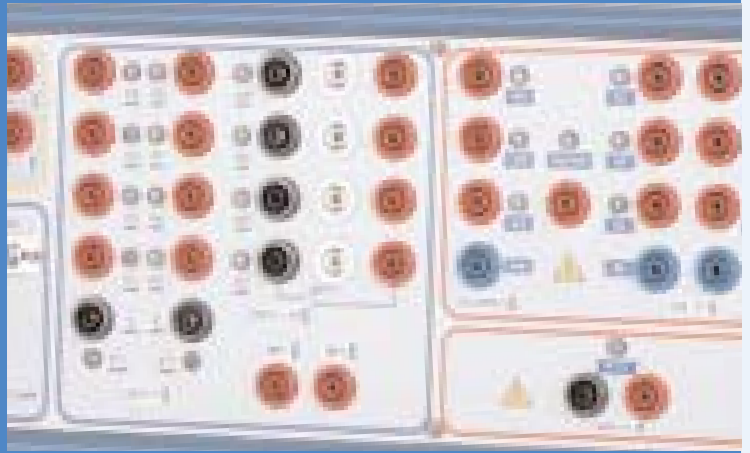
Directive n. 73/23/CEE, modified by the directive 93/68/CEE.

Applicable standards, for a class I instrument, pollution degree 2, installation category II: CEI EN 61010-1.

In particular:

- . Operating temperature: 0 - 45°C;
- storage: -25°C to 70°C.
- . Relative humidity: 10 - 80% without condensing.





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