



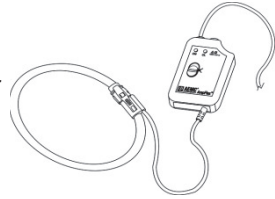
EQUIPMENT.NET

AMPFLEX[®] 3000A AC/1.5V w/outside power 5V DC
(24", 36", & 48")

Cat.#
2132.23/2132.24/2132.25

GENERAL DESCRIPTION

The AmpFlex[®] is a flexible AC current transformer composed of a flexible sensor and an electronic module. The unit has proportional mV output and is designed to be integrated with a Current or Power tester. A four conductor shielded cable is used for the output and supply.



Output:

5 FT- four conductor shielded cable, stripped
 White: Common supply Red: +DC Supply
 Yellow: Common output Blue: + output

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: 14° to 131°F (-10° to +55°C)

Storage Temperature: -40° to 158°F (-40° to +70°C)

Altitude: Non-operating: 0 to 12,000 m
 Operating: 0 to 2000 m

Operating Relative Humidity:

18° to 65°F (10 to 30°C); 85 ± 5% RH (without condensation)
 72° to 90°F (40 to 50°C); 45 ± 5% RH (without condensation)

Influence of Temperature:

Module: -18° to 99°F (-10° to 55°C); 0.15% per 18°F (10°C) typical, 0.5% per 18°F (10°C) max
 Sensor: -18° to 162°F (-10° to 90°C); 0.15% per 18°F (10°C) typical, 0.5% per 18°F (10°C) max

Influence of Humidity:

10 to 90% RH: 0.2% typical, 0.5% maximum

ELECTRICAL SPECIFICATIONS

Current Range: 3000A

Measurement Range: 50 to 3000A

Output Signal: 0.5mV/A output (1.5Vrms at 3000A)
 Green LED removed and switch by-pass.

Accuracy: 1% of Reading ± 200mA

Crest Factor: 4.5

Phase Shift: < 1° at 50 or 60Hz

**Reference conditions: 23°C ± 3°K, 20 to 70% RH, 50 Hz, 1 minute warm-up, battery at 9V ± 0.1 V, external magnetic field <40A/m, no DC component, no external current carrying conductor, 10 MΩ load, conductor center.*

Residual Noise: 500mA

Frequency Range: 40 to 20 kHz (-3 dB w/current derating)

Working Voltage: 600V Cat. III

Common mode Voltage: 30Vrms

External load: >100 KΩ

Influence of Adjacent Conductor: <2% max

Influence of Conductor Position: 4% max

Influence of Frequency: Add 1% to the reference accuracy between 40 to 2000Hz and up to 3% 15 to 5 kHz

Power Source: 5V DC

MECHANICAL SPECIFICATIONS

Dimensions (Module): 4.9 x 2.5 x 1.1" (124 x 64 x 28mm)

Dimensions (Sensor): 24", 36", 48": ± 1"

Connection Cable Length (sensor to module): 25 ft (7.8m)

Drop Test: Per IEC 68-2-32

Vibration: Per IEC 68-2-6

Mechanical Shock: Per IEC 68-2-27

Weatherproofing: Module: IP40 (EN 60529)
 Sensor: IP45 (EN60529)

Material:

Module -Polycarbonate Dark Grey UL 94 V2
 Sensor Latch - Lexan 500R UL 94 V0
 Cable Assembly to Sensor -UL 94 V0

SAFETY SPECIFICATIONS

Electrical:

Double insulation or reinforced insulation between the primary or secondary and the outer case of the handle conforms to EN 61010. 600V Cat. III
 Pollution Degree 2

Dielectric Strength:

5550 V, 50/60 Hz between primary, secondary and the outer case of the handle



ORDERING INFORMATION

Equipment (Spinlab)-AmpFlex 24" 3000A/1.5V 25ft
Cat #2132.23

Equipment (Spinlab)-AmpFlex 36" 3000A/1.5V 25ft
Cat #2132.24

Equipment (Spinlab)-AmpFlex 48" 3000A/1.5V 25ft
Cat #2132.25

Packaging: One probe per plain white box with white litho identification label

Labels: 0.5mV label (Generic, no name)

Manual: None

Rev	Description	Date	Approval
0	New spec.	April 23, 2014	JPM