



Programmable AC/DC Load OCM192, OCM192A

3000 W



- ✓ Resistance Range from 15 Ohm to 300 kOhm
- ✓ Maximum Load 3 kW
- ✓ Maximum Voltage 250 V RMS
- ✓ Accuracy 0.1 %
- ✓ Temperature Coefficient < 10 ppm/K
- ✓ Two or Four Wire Termination
- ✓ Keyboard, RS 232 or IEEE488
- ✓ 19" Rack Mount

OCM192 and OCM192A are programmable passive AC/DC Loads with Power Loss up to 3 kW. They are designed for testing of voltage sources, transformers and other signal generators. They can be manually operated or used in automatic testing systems controlled through the build-in data ports.

The high accuracy and the two data ports permit the usage in calibration facilities, service offices and development departments as well as in automatic testing lines. Optional cover for 19" racks with 3HE is available.

The operation from the keyboard at the front is very simple. The display shows the selected parameters, the current and the voltage mode, the parameters of the data ports and the voltage applied. The load can be connected with two or four terminals.

OCM192 contains 64 individual Resistor which can be selected with cursor keys in steps from 15 Ohm to 4700 Ohm

OCM192A permits keyboard setting of any resistance value between 15 Ohm and 300kOhm.

SPECIFICATIONS

Resistance Ranges: OCM192: 15 Ohm to 4700 Ohm, 64 firm resistor values selectable with the cursor keys.
 OCM192A: 15 Ohm to 300 kOhm, free selectable resistance values with the keyboard

Resolution: OCM192: 0.1 Ohm to 1 Ohm
 OCM192A: 0.001 Ohm to 1 kOhm

Temperature Coefficient: < 10 ppm/ °C (1 Ohm to 10 kOhm)
 < 25 ppm/ °C (> 10 kOhm)

Maximum Power Loss: 3000 W

Maximum Voltage: 250V RMS

Frequency Range: DC to 10 kHz

Terminals: 2 or 4 terminal connection

Temperature Range: Reference: 18 °C to 28 °C
 Working: 5 °C to 45 °C
 Storing: -10 °C to 60 °C

Control: Front Keyboard, RS-232 or IEEE488

Supply: 115-230V / 50-60 Hz

Cabinet: Metallic Case 460 x 190 x 440 mm (W x H x D), Weight 15 kg

Reaction Time: 30 to 100mS. During switching are the outputs terminals open for 40mS.

Isolation Resistance between the Terminals and the Case: > 2 GOhm (at 1000V DC).

Accuracies (OCM192 up to 4700 Ohm).

ACCURACIES			
RANGE	DC ... 120 Hz	120 Hz ... 1kHz	1kHz ... 10kHz
15.000 Ohm ... 99.999 Ohm	0.1% + 30 mOhm	0.2% + 30 mOhm	0.2% + 30 mOhm
100.000 Ohm ... 3.000 kOhm	0.1 %	0.1 %	0.2 %
3.001 kOhm ... 30.00 kOhm	0.1 %	0.1 %	2 %
30.1 kOhm ... 100.0 kOhm	0.2 %	0.2 %	--
101 kOhm ... 300 kOhm	0.5 %	2 %	--

Firm resistance values at OCM192: 15.0, 15.5, 16.0, 16.5, 17.0, 17.5, 18.0, 18.5, 19.0, 19.5, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110, 120, 130, 140, 150, 160, 180, 200, 220, 240, 270, 300, 340, 400, 480, 600, 680, 800, 960, 1200, 1590, 2400 and 4700 Ohm.

OCM192A permits keyboard setting of any resistance value between 15 Ohm and 300 kOhm.

Internal Voltmeter (only with OCM192A)

VOLTMETER - ACCURACY		
RANGE	DC	AC
1.0 ... 299.9 V	0.1% + 0.2 V	0.2% + 0.2 V

VERSIONS

Data Ports: OCM192 - V1xxx RS232
 OCM192 - V2xxx IEEE488

Cabinet: OCM192 - Vxx0x Table Version
 OCM192 - Vxx1x for 19" Racks, 3HE

ACCESSORY

Owner's Manual
 Calibration Sheet
 Mains Cable