

RDS 200N1

AUXILIARY DC VOLTAGE SOURCE FOR AUTOMOTIVE TESTING



FOR TESTS ACCORDING TO ...

- › Ford EMC-CS-2009.1
- › Ford FMC1278
- › ISO 16750-2

RDS 200N1 - THE SMART DC POWER SUPPLY 16V / 10A

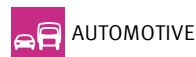
The RDS 200N1 is a DC voltage power supply used in combination with the AutoWave generator to test supply voltage profiles such as required in Ford FMC 1278, test procedure CI 230 and a number of other car manufacturer requirements. The RDS 200N1 is also used as an external power supply needed for voltage dip testing in combination with the PFS 200N series.

The RDS 200N1 is fully remote-controlled via its 0-10Vdc analog input either via AutoWave or PFS 200Nx.

HIGHLIGHTS

- › **16V/10A DC voltage source**
- › **DC - 30kHz bandwidth**
- › **Sine ripple capability of 16Vpp**
- › **Built-in current sink**
- › **0 - 10VDC analog input for control by AutoWave (or any other signal generator) or PFS 200N**
- › **LED display for voltage and current**
- › **Over voltage/over current protection**

APPLICATION AREAS



TECHNICAL DETAILS

RDS 200N1 DC POWER SUPPLY

MODEL CONFIGURATION

RDS 200N1-115	Remote-controlled DC source 16V/10A Mains supply 115VAC
RDS 200N1-230	Remote-controlled DC source 16V/10A Mains supply 230VAC

OUTPUT

Voltage	0V - 16V
Current	0A - 10A
Bandwidth	DC - 30kHz with 16Vpp (-3dB)
Monitor	Front panel LED display for output voltage and current
DUT Supply +/-	Safety laboratory connectors

CONTROL / ANALOG INPUT

	To connect an external signal generator such as AutoWave or PFS 200Nx
Input signal	0V - 10V
Bandwidth	DC - 30kHz
Input impedance	approx. 10kohm

GENERAL DATA

Dimensions, weight	19"/3HU, approx. 12kg
Mains supply	115VAC +10%/-15% 230VAC +10%/-15%
Fuses	115VAC 2x4AT 230VAC 2x2AT

APPLICATION

1. DC source	For voltage dip testing as per ISO 16750-2 and many more.
2. Arbitrary wave	For power cycling as per - FMC 1278 - Ford EMC-CS-2009.1 and more
	ESC's with more than two simultaneous power inputs require the AutoWave and one RDS 200N for each DUT input.

OPTIONS

AutoWave	2-/4-channel arbitrary generator
PFS 200Nx	PowerFail simulator

COMPETENCE WHEREVER YOU ARE



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