

DATASHEET · OPTOGENETICS & PHOTOMETRY

Waveform Generator: 20MHz.

SKU RWD-AFG2021-SC Spec v1 Rev. 2026-07-03

DATASHEET · P
RWD-AFG2021-SC
 Rev 2026-07-03



PRODUCT FAMILY
 ANIMAL MODEL
 APPLICATION
 COUNTRY OF ORIGIN
 MFG. STANDARD
 LOT TRACEABLE **No**
 VERIFIED **Spec v1 · 2026-07-03**

PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT

SINE_WAVEFORM_FREQUENCY	20 MHz	PULSE_WAVEFORM_FREQUENCY	10 MHz
SAMPLING_RATE	250 MS/s	INTERNAL_MEMORY	4 × 16 kS
USB_HOST_PORT	front panel	BUILT_IN_MODES	['Modulation', 'Noise Generator', 'Burst', 'Sweep']
MENU_LANGUAGES	['Simplified Chinese', 'English']	INCLUDED_SOFTWARE	ArbExpress waveform editing software
MEMORY_EXPANSION	USB memory expansion capability	AUTOMATION_LEVEL	semi-automated
ACCURACY	14-bit vertical resolution	DISPLAY_TYPE	3.5-inch color screen
DIMENSIONS	half-rack width x 2U height	BRAND	RWD
RESEARCH_DOMAIN	Analytical Chemistry, Behavioral Pharmacology, Cell Biology, Neuroscience, Optogenetics	DIMENSIONS L×W×H (MM)	34.0 × 39.0 × 33.0
WEIGHT (KG)	8.27	AVAILABILITY	In stock

BILL OF MATERIALS · 1 LINE ITEMS

BASE CONFIGURATION

QTY	ITEM	SKU
1	Waveform Generator: 20MHz	RWD-AFG2021-SC



Scope.

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RWD-AFG20:
Rev 2026

BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM
Waveform Generator: 20MHz

MATERIALS REFERENCE

0 MATERIAL

CODE	DESCRIPTION	PROPERTIES	USED IN
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Cross-reference.

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Rev 2026

OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COMI

OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID █

ETO

WIPE █

ANIMAL COMPATIBILITY

BY SPECIES

NOTES

USE & S

SPECIES	BODY WEIGHT	CHAMBER FIT
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Specifications verified against current published product data. Verified 2026-07-03 · Since 2026-07-03.

Cite: ConductScience RWD-AFG2021-SC, Spec v1, 2026-07-03. conductscience.com/lab/optogenetics-waveform-generator

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