

## Product Spec Sheet

### Master Clock Generator

# CG-1000



## ■ Specifications

### Inputs and outputs

#### WORD/EXT INPUTS

Connector type:	BNC
Input level:	0.5–5.0 V <sub>p-p</sub>
Input impedance:	75/50 Ω (can set to 75/50/OFF in menu)
Supported frequencies	
WORD CLOCK:	32/44.1/48/88.2/96/176.4/192 kHz (–4/–0.1/0.0/+0.1/+4% PULL UP/DOWN supported only when 48/96/192 kHz selected)
ATOM:	10.0 MHz
GPS:	10.0 MHz
Permissible frequency deviation:	±10 ppm

#### AES3/11 INPUT

Connector type:	XLR-3-31 (1: GND, 2: HOT, 3: COLD)
Input level:	0.2–10 V <sub>p-p</sub>
Input impedance:	110 Ω
Format:	AES11-2003, AES3-2003, IEC60958-4
Supported frequencies:	32/44.1/48/88.2/96/176.4/192 kHz (–4/–0.1/0.0/+0.1/+4% PULL UP/DOWN supported only when 48/96/192 kHz selected)
Permissible frequency deviation:	±10 ppm

#### CALIBRATION INPUT

Connector type:	BNC
Input level:	0.5–5.0 V <sub>p-p</sub>
Input impedance:	50 Ω (can turn ON/OFF in menu)
Supported frequencies	
ATOM:	10.0 MHz
GPS:	10.0 MHz, PPS

#### WORD OUTPUTS

Connector type:	BNC connector
Output level:	1.0–3.5 V <sub>p-p</sub> (can set by 0.5V steps in menu)
Output impedance:	75 Ω
Supported frequencies:	32/44.1/48/88.2/96/176.4/192 kHz 11.2896/12.288 MHz (Super Clock, only connectors 11/12) (–4/–0.1/0.0/+0.1/+4% PULL UP/DOWN supported only when 48/96/192 kHz selected)

**AES3/11 OUTPUTS**

Connector type:	XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Output level:	2.5 V <sub>p-p</sub>
Output impedance:	110 Ω
Format:	AES11-2003, AES3-2003, IEC60958-4
Supported frequencies:	32/44.1/48/88.2/96/176.4/192 kHz

**S/PDIF OUTPUTS**

Connector type:	RCA pin jack
Output level:	0.5 V <sub>p-p</sub>
Output impedance:	75 Ω
Format:	IEC60958-3 (S/PDIF)
Supported frequencies:	32/44.1/48/88.2/96/176.4/192 kHz (-4/-0.1/0.0/+0.1/+4% PULL UP/DOWN supported only when 48/96/192 kHz selected)

**Performance****Internal oscillator**

Type:	OCXO (oven-controlled crystal oscillator)
Permitted frequency deviation:	±0.01 ppm (Adjusted value when shipped new from the factory)
Frequency temperature characteristics:	±0.05 ppm (0 to 40°C)
Long-term frequency stability:	±0.005 ppm (daily) ±0.5 ppm (annually)

**General****Power**

AC100 V-240 V, 50/60Hz

**Power consumption**

10 W

**External dimensions**

483 x 45 x 310mm (width × height × depth)

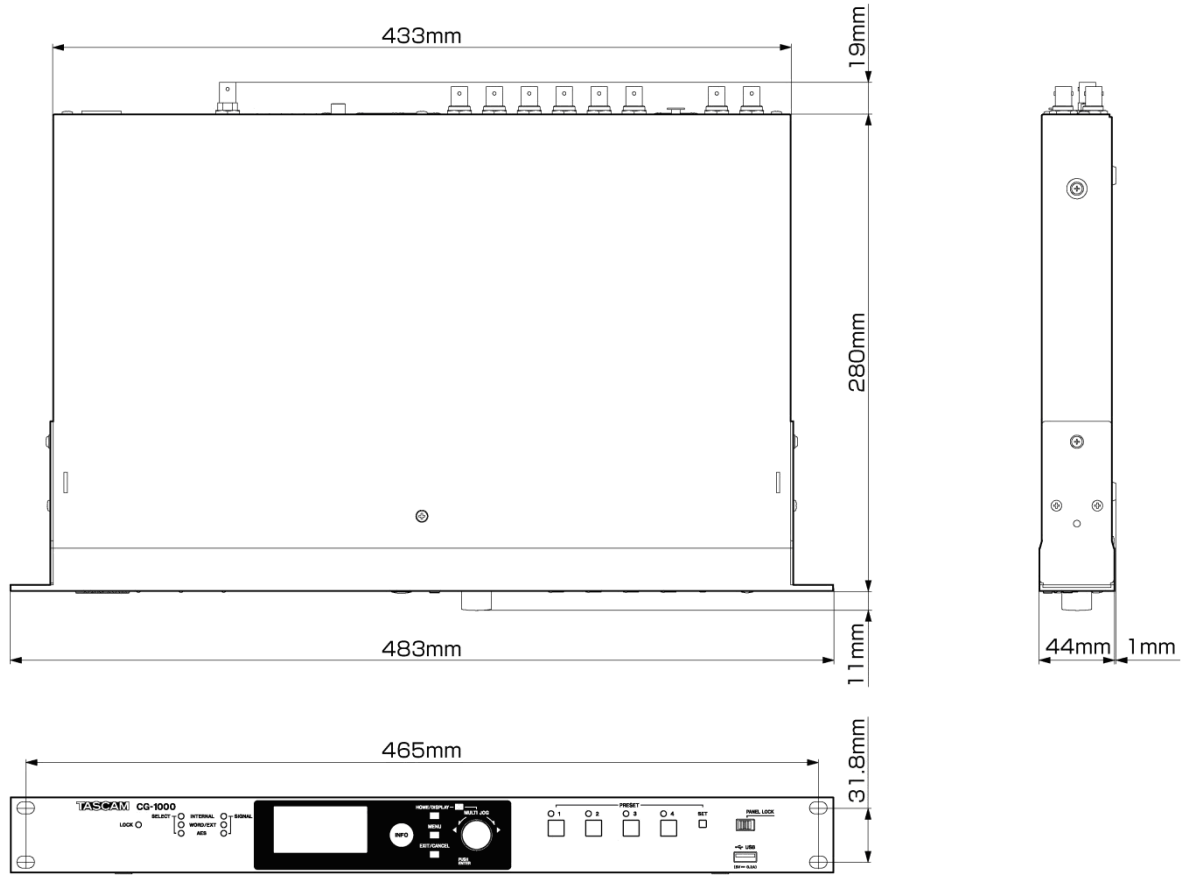
**Weight**

3.1 kg (6.8 lb)

**Operating temperature range**

0-40°C (32-104°F)

■ Dimensional drawings



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