



# AG 1017L

## RF Generator & Amplifier



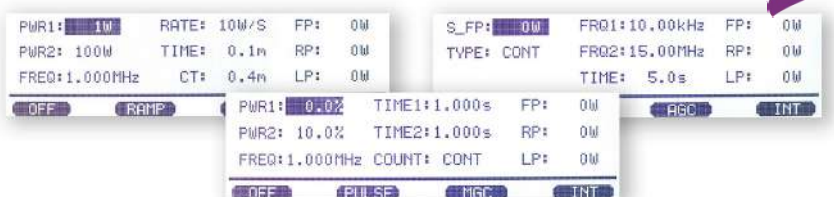
▲ **AG 1017L** (500W RF Generator from 10kHz - 15MHz)



▲ **Complete RF system** (AG power source and T1K impedance matching transformer)



▲ **Main and Settings Screens** (with Ramp, Sweep, Pulse profiles)



### Product Description

This is a **500 W, Broadband, Class A** RF power source, ideal for Industrial / Scientific / Medical applications.

### Features

- 10kHz - 15 MHz broadband operation
- Linear output with low harmonic distortion
- Interfaces: Front Panel Display, Remote (Analog/Digital) Interface, RS-232, GUI software
- LCD display: Forward / Reflected / Load Power, Frequency, Internal Temperature, & More
- Operation: AGC and MGC Power Leveling, Pulse Operation, Sweep and Ramping Profiles
- External RF BNC input for amplifier operation
- Optimized matching with T Series impedance transformers (sold separately)
- Air cooled
- Stand-alone or/with rack mount kit (separate)
- 55 lbs. (25 kg)
- H 7" x W 14¼" x L 15¼"

### Contact Us

**For info or quote:**  
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[www.tcpowerconversion.com](http://www.tcpowerconversion.com)

# Specifications & Order Options

Class Of Operation	Class A
Frequency Of Operation	10 kHz to 15 MHz
RF Power Output	0 – 500 W (continuous or pulsed operation)
Gain	55 dB (@ 200 W / 1 MHz)
Input and Output Impedance	50 $\Omega$ 2:1 max INPUT VSWR , 3:1 max OUTPUT VSWR
Output VSWR Protection	100 W max reflected power limit set
Harmonics	Up to < -45 dBc (<-20 dBc for 3rd harmonic)
Spurious Output	-50 dBc
RF Output Settings & Control	<ol style="list-style-type: none"> <li>1. Front Panel soft-buttons and dial for manual control</li> <li>2. RS232 port for GUI or other digital communication</li> <li>3. DB-25 Analog and Digital I/O</li> </ol>
Create operation profiles	Frequency sweep, pulse output, ramp, external burst
Scale	User selectable 1 - 10 V full power
Rear Panel Connections	RF Out (BNC, N, HN) External RF Input (BNC Female) A/D Interface (DB-25 Female) Digital Interface (RS-232 Female)
AC Input Current (RMS)	100 - 120 V ac, +/-10%, 50 - 60 Hz 200 - 240 V ac, +/-10% 50 - 60 Hz
Cooling	Forced air, temp controlled (10-40°C ambient, 80% humidity)
Dimensions	H 178mm x W 363 mm x L 388mm ( 7" x 14¼" x 15¼" )
Mounting	Table top, stand alone unit (Optional: rack mount kit)



FOR MORE INFO or QUOTE:

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