The new Ibanez AD-190 Time Machine takes advantage of the latest advances in analog delay technology to bring you a unit of outstanding performance at a very modest cost.

**TIME MACHINE**

**Electronic Delay With Flanger**

**AD190**

- **Delay Time:** 25 ms sec to 400 ms sec
- **Flanger:** 5.56 ms sec to 12.8 ms sec
- **Input Impedance:** 490 ohms
- **Output Impedance:** Less than 50K ohms
- **Input Impedance:** Less than 50K ohms
- **Power Supply:** 117 VAC, 220-240 VAC
- **Dimensions:** 342 mm x 142 mm x 85 mm
- **Weight:** 7.2 lb

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**Pro Audio Components**

**ANALOG DELAY & MULTI FLANGER**

**AD-3000**

- **Inputs:** 4 in 1 out XLR balanced
- **Output:** 4 in 1 out XLR unbalanced
- **Impedance:** 600 ohms balanced XLR
- **Frequency:** 0-20 kHz
- **Slew Rate:** 0.002 V/msec
- **Input Sensitivity:** 0.5 V RMS
- **Output Sensitivity:** 100 mV RMS
- **Power Supply:** 117 VAC, 220-240 VAC
- **Dimensions:** 430 mm x 300 mm x 85 mm
- **Weight:** 7.4 lb
Multi-Effects Rack - The Pro's Choice

MULTI-EFFECTS
UE-400

Switch
Normal/Effect, FET
Electronic Switch
Input Impedance
500K ohms
Output Impedance
10K ohms
External Effect Loop
10K ohms
Send Impedance
500K ohms
Receive Impedance
Compressor
Compression Range
40 dB
Phaser
Gain
0 dB
Sweep Speed
0.2 Hz - 14 Hz
Distortion
40 dB
Maximum Gain
0.05 Hz - 11 Hz
Chorus/Flanger
Delay Time
2.56 msec - 12.8 msec
Sweep Speed
117 Volt, 220-240 Volt, A.C.
Power Supply
Dimensions
482 mm x 240 mm x 88 mm
Weight
3.9 kg
Unit
1.2 kg
Remote Foot Switch
(Included)

MULTI-EFFECTS
UE-700

- **Input Characteristics**
  - Input Impedance
    - Unbalanced: 100K ohms
    - Balanced: 600 ohms
  - Output Impedance
    - Unbalanced: 10K ohms
    - Balanced: 40 ohms
  - Maximum Output Level
    - Balanced: +10 dBm
    - Unbalanced: +20 dBm
  - External Effects Send/Receive Loop
    - External Effects Send Impedance: Less than 10K ohms
    - External Effects Receive Impedance: 100K ohms

- **Phase Shift Characteristics**
  - Maximum Input Level: +5 dBm
  - Equivalent Input Noise: -85 dBm (Input shorted IHF A Curve)

- **LFO-Speed**
  - 0.2 Hz - 14 Hz

- **Compressor Characteristics**
  - Maximum Input Level: +2 dBm
  - Equivalent Input Noise: -100 dBm (Input shorted IHF A Curve)

- **Distortion Characteristics**
  - Maximum Input Level: 0 dBm
  - Equivalent Input Noise: -100 dBm (Input shorted IHF A Curve)

- **Flanger Characteristics**
  - Maximum Input Level: -5 dBm
  - 0.08 Hz - 8.5 Hz
  - Equivalent Input Noise: -85 dBm (Input shorted IHF A Curve)

- **Graphic Equalizer Characteristics**
  - Maximum Equalizer Boost/Cut
    - 31.5, 62.5, 125, 250, 500 Hz
  - 1K, 2K, 4K, 8K, 16 KHz
  - Equivalent Input Noise: -12 dB
    - -100 dBm (Input shorted IHF A Curve)
  - Power Supply: 117 Volt, 220-240 Volt, A.C.

- **Dimensions**
  - 480 mm x 290 mm x 100 mm

- **Weight**
  - 5.6 kg
  - 2.0 kg

- **Unit**
  - Remote Foot Switch
  - Connection Cord 5m (Included)
DOUBLE SOUND
No. 84
Input Impedance: 1M ohms
(Fuzz)
Output Impedance: 1M ohms
(Wah-Wah)
Maximum Input Level:
-40 dBm (Wah-Wah)
Maximum Output Level:
+10 dBm (Wah-Wah)
Equivalent Input Noise: -100 dBm
(Shorted IHF A Curve)
Power Supply: S006F 9 Volt 1 pc
Weight: 1.8 kg

WAH-WAH PEDAL
No. 57
Input Impedance: 100K ohms
Output Impedance: 100K ohms
Power Supply: S006F 9 Volt 1 pc
Weight: 1.5 kg

BLUBBER
Crying Baby Machine
No. 93
Input Impedance: 1M ohms
Output Impedance: 100K ohms
Maximum Input Level: 4 dBm
Maximum Output Level: 10 dBm
Equivalent Input Noise: -95 dBm
(Shorted IHF A Curve)
Power Supply: S006F 9 Volt 1 pc
Weight: 1.1 kg

WAH-WAH FUZZ PEDAL
No. 58
Input Impedance: 100K ohms
Output Impedance: 100K ohms
Power Supply: S006F 9 Volt 1 pc
Weight: 1.5 kg

FUZZ MACHINE
No. 59
Input Impedance: 100K ohms
Output Impedance: 10K ohms
Power Supply: S006F 9 Volt 1 pc
Weight: 1 kg

FLANGER
FL-305
Controls: Speed, Width, Regen,
Delay-Time,
Input Impedance: 470K ohms
Output Impedance: 10K ohms
Gain: 0 dB
Maximum Input Level: -5 dBm
Equivalent Input Noise: -80 dBm
(Shorted IHF A Curve)
Control Speed: 0.08 - 9 Hz
Delay Time: 0.8 - 16 ms
Power Supply: S006F 9 Volt 2 pc
Power Consumption: 160 mW
Weight: 1.25 kg

GRAPHIC EQUALIZER
GE-500
Input Impedance: 10K ohms
Output Impedance: 1K ohm
Maximum Input Level: +5 dBm
Maximum Output Level: +16 dBm
Equivalent Input Noise: -90 dBm
(Shorted IHF A Curve)
Power Supply: S006F 9 Volt 2 pc
Weight: 1.3 kg

GRAPHIC EQUALIZER
GE-1000
Input Impedance: 100K ohms
Output Impedance: 10K ohms
Gain: 0 dB ±0.5 dB (Filter Flat)
Frequencies: 31.25, 62.5, 125,
250, 500 Hz
1K, 2K, 4K, 8K,
16 KHz
Power Supply: 117 Volt, 220-240 Volt, A.C.
Weight: 1.6 kg