



**ABACUS 5000 PHONE ADAPTER**



**VoIP Call Generation**

- The ICG3 (IP Telephony Signaling and Media Traffic Generator) subsystem originates the calls
- The IP phone is connected via 10/100 Ethernet cable to the ICG3 subsystem
- The PAD-5000 converts the 4-wire signal from the IP phone handset connector into an analog 2-wire PSTN signal
- The ECG3 will be off-hook in the beginning of the test
- The IP phone should be manually taken off-hook when it rings
- Since ECG3 is already off-hook, Abacus 5000 can perform PSQM, PSQM+ or PESQ voice quality measurements through an IP phone

**SPECIFICATIONS**

**Interface Connections**

- One FXO connector: RJ-11
- Handset connector: RJ-22
- Isolated (1500 Vrms) off-hook relay connector:
  - NC (normally closed) contacts pair
  - NO (normally open) contacts pair

**Physical Dimensions**

- Height: 1.25" (31.75 mm)
- Length: 3.6" (91.44 mm)
- Width: 4.5" (114.3 mm)

**Power**

- External Power Supply 24VDC/100mA
- Power connector: Power jack 2.5mm, center positive
- External AC/DC 10W interchangeable adapter with USA, EUR, AUST and UK universal plug kit:
  - Voltage/frequency: 90 to 267 VAC; 47 to 63Hz
  - Dimensions: 2.83 x 1.81 x 1.38" (71.88 x 45.97 x 35.05 mm)
- Regulatory compliance: Phone Adapter (CE)

**LED Indications**

- Front panel: off-hook indication LED
- Rear panel: Power OK indication LED

**FXO Impedance**

- 600 ohms

**FXO Loop Current**

- 20mA

**Analog Gain**

- Speaker gain: Adjustable from -12dB to +3dB in 3dB steps with rotary switch
- Microphone gain: Adjustable from -38dB to -26dB in approximately 2dB steps with rotary switch

**ORDERING**

- PAD-5000 - Abacus Phone Adapter

**FOR MORE INFORMATION**

Visit Spirent Communications' Website at [www.spirent.com/go/voice](http://www.spirent.com/go/voice) where you can learn about Spirent IP Telephony test systems and services, download product literature, white papers and test methodologies. Contact your local sales representative for details.

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Spirent Communications  
1325 Borregas Avenue  
Sunnyvale, CA 94089 USA

**SALES AND INFORMATION**  
sales@spirent.com  
[www.spirent.com](http://www.spirent.com)

**Americas**  
T: +1 800.SPIRENT  
+818 676.2683

**Europe, Middle East, Africa**  
T: +33 1 6137.2250

**Asia Pacific**  
T: +852 2511.3822

