



**TELEDYNE  
INSTRUMENTS**

*Advanced Pollution Instrumentation*

A Teledyne Technologies Company  
9480 Carroll Park Drive, San Diego, CA 92121-5201  
Phone (858) 657-9800 Fax: (858) 657-9818 Toll Free 1800 324-5190  
E-mail: [api-customerservice@teledyne.com](mailto:api-customerservice@teledyne.com) <http://www.teledyne-api.com>

*Service Note*

**97-006 Rev B  
2 May, 2007**

## **UART SURGE PROTECTION**

### **SCOPE:**

#### **Necessity of Protecting the RS-232 Port:**

**Recently API encountered a couple of failures related to the RS-232 port. After investigation, the cause of the problem was found to be external to the analyzer. The problem was that the RS-232 chips on the CPU card were blown from the outside through the RS-232 cable. It can happen during a power surge.**

**As a solution we recommend that you use a protective RS-232 adapter between the analyzer and your equipment. There are many of them available on the market, such as “SENTREX ® TYPE S08-232, DB-9 8 WIRE RS-232” (available through NEWARK catalog). If you have doubts that the adapter you have is compatible with API equipment, please give us a call and one of our Customer Service Technicians will be happy to help you out.**