**APPLICATION**
Gas turbines, whether burning liquid or gaseous fuels, all require a robust ignition source to provide reliable light-offs. The TI 100 improves upon many of these OEM systems by providing a high energy spark that will overcome ignition problems such as condensation on the igniter. The TI 100 can provide these high energy sparks at a rapid rate of up to 21 sparks per second.

**COMPONENTS**
The ignition system consists of four components: the Exciter, the Igniter, the Input Lead to connect the Exciter and Igniter, and a Housing for the Igniter that is specific to the model of gas turbine.

**EXTENDED LIFE**
The Igniter itself is expected to last at least 600 starts. The Exciter is expected to last more than 3000 starts.

**HIGH ENERGY OUTPUT**
Many turbine ignition systems use spark gaps. In effect, there is a release of stored energy across a gap when a capacitor stores a sufficient charge. As the gap in the igniter wears, the igniter requires more voltage to fire and the output voltage from the igniter decreases. The TI 100’s advanced design eliminates this phenomenon of decreased power with age. In fact, the TI 100 spark will only increase in intensity as the igniter tip wears.

**RETROFIT KITS AVAILABLE**
Kits are currently available for Ruston TA 1750 and TB 5000 as well as GE Frame 3 or Frame 5 Gas Turbines.

**IMPROVED SPARK INTENSITY**

**RELIABLE LIGHT-OFFS**

**NO MORE FAILED STARTS DUE TO POOR IGNITION**

**WORKS WITH BOTH LIQUID AND GASEOUS FUELS**

**OVERCOMES PROBLEMS DUE TO CONDENSATION**

**12 VDC OR 120 VAC POWER OK**

**LONGER LIFE IGNITER**
**INPUT POWER**
85 to 265 VAC or
18-32 VDC

**NET WEIGHT**
10 lbs.

**OPERATING TEMPERATURE**
-25° to +75° C

**DUTY CYCLE**
5 Minutes On, 10 Minutes Off

**OUTPUT HARNESS**
XXXXXXXXXXXXXXX

**VOLTAGE**
3000 VDC Maximum

**CONSTRUCTION**
Nickel Braid (Waterproof)

**IGNITER TIP**
XXXXXXXXXXXXXXX

**MAXIMUM TEMPERATURE**
1000° C

**OPTIONS**
Hazardous Area EExd,
Group IIC
Safe Area Only