

COUPLERS

PDA Couplers for Hydrogenerators



IRIS offers two types of PDA couplers specifically designed to detect partial discharge activity from hydrogenerator stator windings.

Whether it's the epoxy-mica or cable type, these couplers are permanently installed at specific locations on the stator winding to optimize electrical noise/partial discharge pulse separation.



Cable Coupler

- made from 28 kV class power cable
- 1.8 kg, 1.5 m long, 4 cm diameter
- 80 pF (± 3 pF)
- discharge extinction voltage greater than 25 kV rms (at 3 pC)
- overpotential tested to more than 40 kV rms
- normally supplied with a single connection lug

Options

- coupler calibration kit
- for cable coupler "loop" installations, unfinished ends are available on request



Epoxy-Mica Coupler

- capacitive element is made from epoxy-impregnated mica
- 80 pF (± 3 pF)
- dissipation factor, less than 0.05%
- operating temperature, -55°C to 125°C
- resistant to electric tracking
- designed for three voltage ratings:

	25 kV	16 kV	6.9 kV
DEV kV@3pC	25	15	8
AC Hipot kV rms	51	33	15
Mass kg	2.3	1.6	1.1
Height mm	206	127	92



To identify our sales and technical support office nearest you, contact...

IRIS POWER ENGINEERING INC.

1 Westside Drive, Unit 2, Etobicoke, Ontario, Canada M9C 1B2
 Telephone: 416-620-5600 • Fax: 416-620-1995
 E-mail: marketing@irispower.com • URL: www.irispower.com

A Koch Industries company