

# 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 ( $\pm 3$  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 ( $\pm 3$  pF)
- dissipation factor, less than 0.05%
- operating temperature,  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$
- 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...

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