

New ESS Klystron Production Test Stand From Diversified Tech. Provides Flat Output to less than 0.5% over 3.3 ms

Diversified Technologies, Inc. (DTI) has delivered a new long-pulse modulator klystron test stand to Communication and Power Industries (CPI) of Palo Alto, CA to perform the full power testing of production VKP-8292A klystrons for the European Spallation Source (ESS).

BEDFORD, Mass. ([PRWEB](#)) September 18, 2019 -- Bedford, MA –[Diversified Technologies, Inc. \(DTI\)](#) has delivered a new long-pulse modulator klystron test stand to Communication and Power Industries (CPI) of Palo Alto, CA to perform the full power testing of production VKP-8292A klystrons for the European Spallation Source (ESS).

The DTI ESS Klystron Production Test Stand permits the testing of klystrons at full ESS specifications: 120 kV, 50 A, 3.5 ms pulse, 14 Hz with margin for operating voltages at up to 130 kV. Eliminating flicker, the design is based on a patented non-dissipative regulator that compensates for the capacitor droop voltage of approx. 20% during the pulse.

According to Mike Kempkes, VP of Marketing for DTI, “The DTI ESS Klystron Production Test Stand will speed delivery of ESS klystrons and similar long-pulse, high power klystrons at CPI.” Fully integrated with cabinets, HVPS, modulator, and transformer, earlier versions of this design are in use at IPN Orsay and CEA Saclay in France to test RF components for ESS.

DTI ESS Klystron Production Test Stands are priced from (US) \$1.5 M each. Price quotations are available upon request.

For more information contact:

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