

Ceramic Coated NPD Ion Sources from DET

(new prices effective 1 December 2009)

DET ion sources are compatible with the Agilent 6890/7890 NPD, as well as DET NPD/TID hardware retrofits for Thermo, Varian, SRI Instruments, and HP 5890 GC models.

BEST PERFORMANCE - 2 NPD CERAMIC COATINGS ARE AVAILABLE:

TID-2 (Black Ceramic) - for applications requiring P or both P and N detection (e.g., pesticides); P DETECTIVITY = 70 fg P/sec with MINIMAL PEAK TAILING;

TID-4 (White Ceramic) - for applications requiring only N detection (e.g., drugs); this is our best N response - N DETECTIVITY = 70 fg N/sec.

LOWEST COST: new source , recycled* source

*recycling - return depleted sources to DET; we can salvage the electrical connector and Aluminum connector holder and attach them to new source wiring with a new TID-2, TID-4, or any other DET ceramic coating; recycled sources are tested for performance comparable to a new source, and are available at a lower cost.

compare DET prices vs. other type NP ion sources - Agilent "Blos" glass (susceptible to melting), ; Agilent white ceramic (reportedly now sensitive to ambient moisture), \$415; Varian ceramic (badly tailing Phosphorus peaks), (why pay more for less quality?)

HIGHEST QUALITY (30 years experience in ceramic ion source technology):

- unlike glass NPD beads, DET ceramics are robust rigid structures that will not soften or melt at the 600- 800°C temperatures required for NP detection, and are tolerant of a wide variety of operating conditions;
- DET ceramics have long operating life, and unlimited shelf life with no special requirement for protection from ambient moisture.
- DET ion sources are backed by operating/troubleshooting advice from the leading experts in NP detection.

VISA, MASTER CARD,

cards accepted.

Contact DET for advice on simple conversions from NPD to other modes of thermionic ionization detection such as selectivity to **Nitro compounds**, **Oxygenates**, **Halogenates**, **CH**₂ **functional groups**, and other compounds.

Website: www.chromtech.net.au E-mail: info@chromtech.net.au TelNo: 03 9762 2034 . . . AUSTRALIA