

SPECIFICATIONS FOR BGO GAMMA RAY DETECTOR

A Bismuth Germanate (Bi₄Ge₃O₁₂) crystal is sought for inclusion in a gamma ray well logging probe.

Density	7.13 g/cc
Decay constant	0.3 microseconds
Resolution (Cs 137 661 KeV peak)	15% to 20%
Pulse height relative to NaI (100)	8
Temperature coefficient	-1.5%/°C or better
Hardness (Mho)	5
Hygroscopy	NIL

Prices are sought for any or all of the following. Only one will be purchased:

Integral line assembly, including PMT & socket

- Crystal size 1" dia x 6" long
- 3" dia x 3" long
- 2" dia x 2" long
- 2" dia x 4" long
- 2" dia x 6" long

Dimensions as above but price for crystal only.

Technical details and dimensions for the above should be included with the tender. If the assembly/crystal is ruggedized or has other features that add to its attraction for use in a logging probe then these points should be stated with the tender.

SUGGESTED SUPPLIERS:

- Quentron 75 Angas St Adelaide
- Geoscience P.O. Box 444, North Adelaide 5006
- Mr M Weber c/o Century Geophysical, P.O. Box 95, Brighton 5048
- ETP Pty Ltd, 60 Atchinson St, St Leonards, N.S.W.
- GEC Glen Osmond Rd Eastwood

Tenders should be called over a 3-week period.