Ruggedized Crystal

for well logging

上海烁杰晶体材料有限公司



Ruggedized crystals design are mainly used in the fields of petroleum logging and geological exploration. Due to the harsh environment to be involved like high temperature above 150 degree C, certain shock and vibration, these crystals have to be applying with unique resistant material and special package technology.





Epic Crystal offer series of ruggedized crystals including NaI(TI), CsI(Na), LaBr₃(Ce) and CeBr₃. They have excellent mechanical shock resistance, temperature shock resistance and long lifetime. Whether used in wireline or measurement while drilling(MWD), our crystals are good choice for both reliability and performance.

Specifications

Encapsulation	Titanium housing with welded sapphire window
Temperature(operating)	• -30-175 degree C
Vibration(max)	• 30 g rms, 50-1000 Hz
Shock	• 1000g@1ms
Crystal type	Hot forged polycrystalline NaI(TI)
Crystal/Glass coupling	Special Light guide
Available crystal size	Diameter: 10mm through 30.5mmLength: sizes up to 200mm

- Custom Temperature, Shock, and Vibration Standard Design Specifications available upon request.
- Aluminium and Stainless Steel housing with high temperature epoxy resin sealed window for general logging is available.