



HGS (INDIA) LIMITED



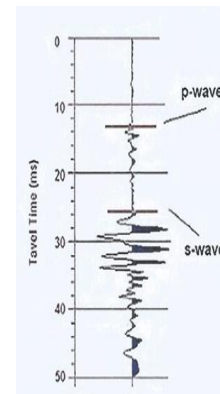
SPECIFICATION SHEET HG-DHS 50/HG-DHS 100 DOWNHOLE ENERGY SOURCE

The Down Hole Source is a specialized seismic source system. This instrument is designed for cross-hole surveys, a technique used to measure the subsurface seismic wave velocity between boreholes and is a crucial method in geotechnical and geophysical site investigations. The energy source can be used to generate both P and S waves. The first shot is executed, and the acquisition of both P and S waves begins when the wire rope is pulled up sharply until the hammer strikes the upper housing, triggering the source unit. Once this is completed, the cable is released, allowing the hammer to drop freely and generate an impact with reverse polarity.

The HG-DHS 50/HG-DHS 100 features a robust metallic housing with a reel-mounted cable system, allowing easy deployment and retrieval in the field. Its compact and durable construction ensures reliable performance in demanding environments, while the system's design supports precise timing and consistent energy generation for accurate wave transmission between boreholes.



Downhole Energy Source



Source Created Energy

Technical Specifications

Cable length (on winch)	HG - DHS 50 - 50 M / HG - DHS 100 - 100 M
Tool material	Mild Steel, Zinc Passivated
Tool diameter	65 mm
Tool length	994 mm
Tool weight	6.7 kg
Total weight (including cable & winch)	HG-DHS 50 – 27.4 kg HG-DHS 100 – 37.7 kg
Clamping mechanism	Pneumatic cylinder
Working mechanism	Pull and drop by wire rope
Electric compressor power supply	12 V DC - Requires external battery (not included)

Ordering Information

Description	HGS Drg/Part No.
HG - DHS 50	GP-007248
HG - DHS 100	GP-007222

Version 1.1



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