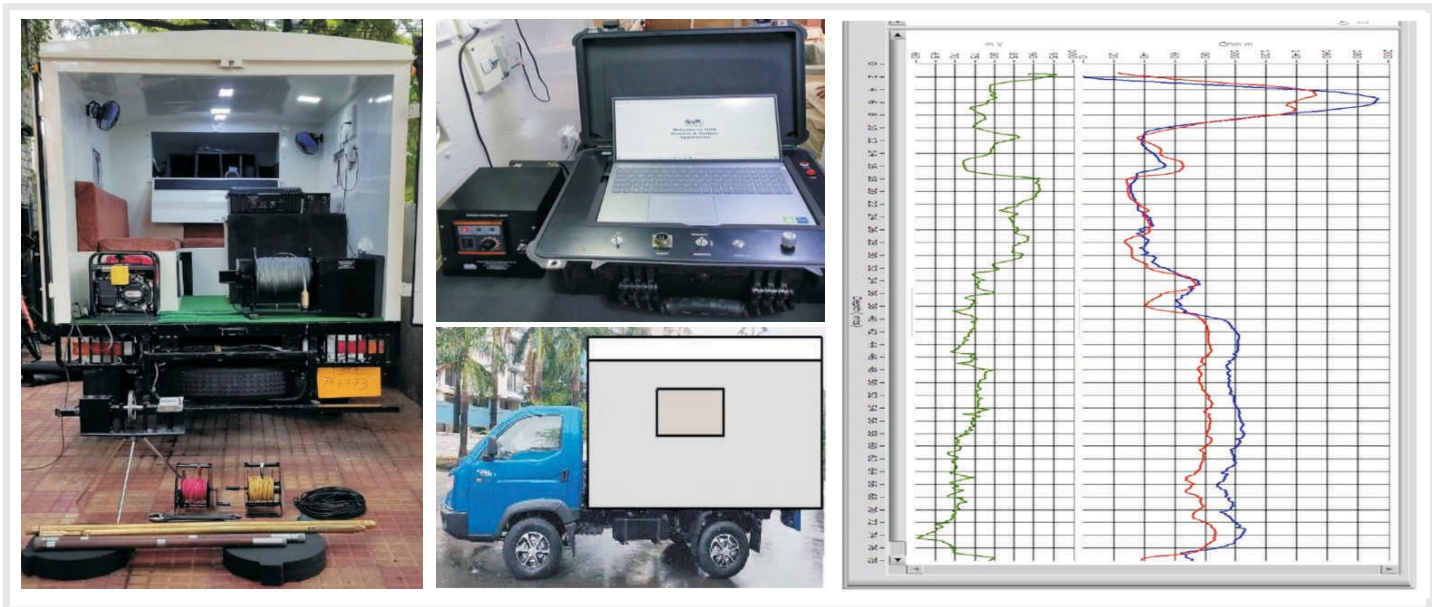


CONTINUOUS WELL LOGGER

MODEL DMPL-3



The Continuous Well Logger DMPL-3 is a highly portable, sturdy and easy to operate microprocessor-based Digital Multi Probe Borehole Logger. The equipment can be dismantled and carried to remote areas by head-load. The special design features incorporated make this DMPL-3, a highly versatile instrument suitable for high quality data acquisition, an essential pre-requisite to tackle wide variety of geological and geophysical exploration problems. DMPL-3 is capable of continuous logging of S.P., Point Resistance, Short Normal, Long Normal and Lateral Resistivities. The logger can be operated with user-friendly interface through notebook P.C. The acquired data is stored and displayed on P.C. Hard copy can be obtained through Inkjet printer to the required sensitivity/scale. The equipment can withstand temperatures upto 50⁰ C and high humidity conditions.

Manufactured by:



www.igisindia.com

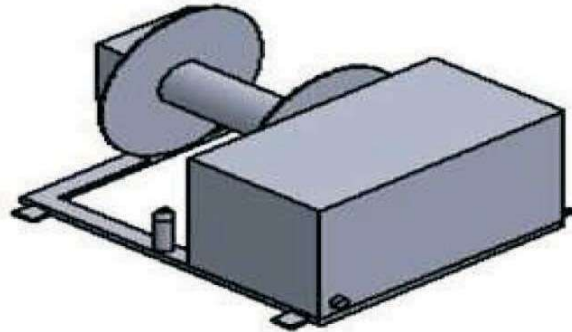
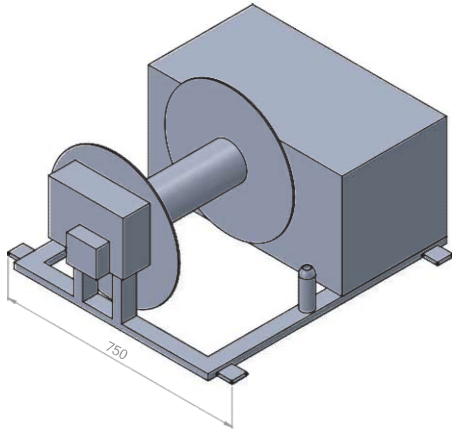
Integrated Geo Instruments & Services (P) Limited

12-13-382, Street No. 18, Tamaka, Hyderabad - 500017, Telangana, India. Ph.: 040-42218456 / 27018456

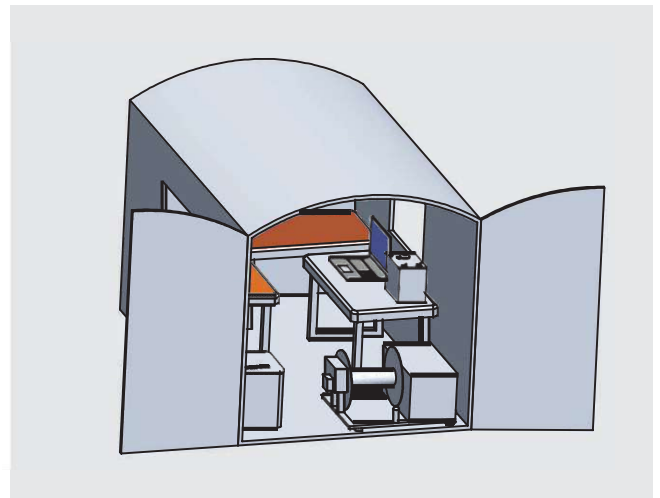
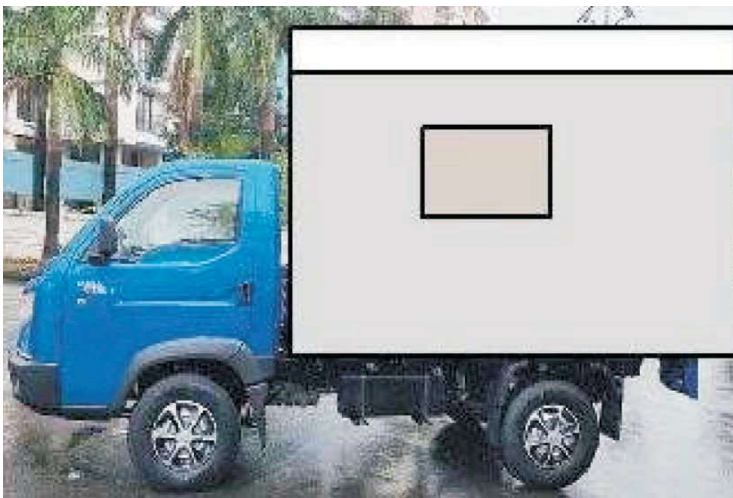
email: info@igisindia.com

WINCH MECHANISM ASSEMBLY

4 CORE ARMOUR CABLE
CABLE LENGTH 600mts



LOGGER WITH VEHICLE



DESIGN AND DIMENSION OF THE PROBE

RESISTIVITY PROBE

MESURING PARAMETERS:

- 1. SP (mV)
- 2. N16 (ohm-m)
- 3. N64 (ohm-m)
- 4. LAT (ohm-m)



Dia = 40mm
Weight = 7kg

ALL DIMENSIONS ARE IN mm

RESISTIVITY PROBE ASSEMBLY

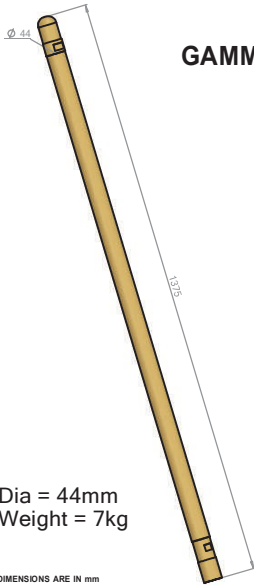


ALL DIMENSIONS ARE IN mm

SCINTILLATION CRYSTAL MEASURING IN CPS

THREE ARMS MOTOR OPERATED CONFIGURED

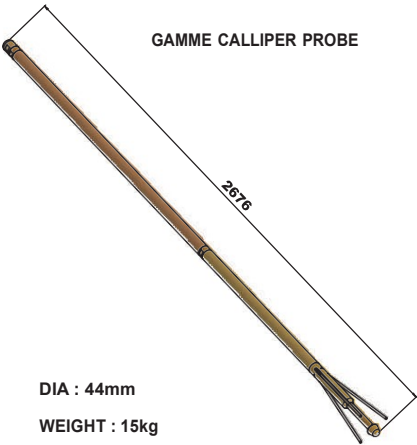
GAMMA PROBE



Dia = 44mm
Weight = 7kg

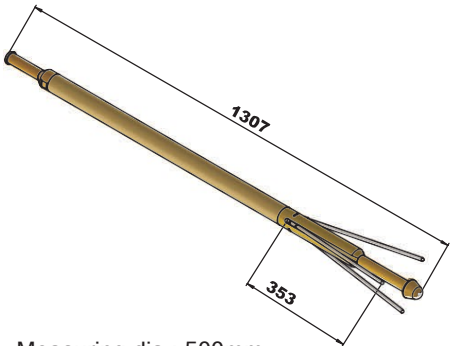
ALL DIMENSIONS ARE IN mm

GAMME CALLIPER PROBE



DIA : 44mm
WEIGHT : 15kg

CALLIPER PROBE



Measuring dia : 500mm
Dia : 44mm
Weight : 8kg

ALL DIMENSIONS ARE IN mm

Measuring Unit:**Parameters measured:**

Self Potential (SP)	: 0 to $\pm$ 2000 mV
16” Short Normal Resistivity	: 0.05 - 1,00,000 Ohm-m
64” Long Normal Resistivity	: 0.1 - 1,00,000 Ohm-m
Resolution	: 1/20,000 FSD (16 bit resolution)
Natural Gamma	: Scintillation crystal measuring in cps
Caliper Probe	: Three arms motor operated configured
Measuring range	: 10cm to 50 cm
Logging Speed	: Minimum - 3mts/min Maximum -30mts/min
Temperature	: Our equipment is a robust and design in such a way that it can be operated at any whether conditions considering extreme high temperature /low temperature in any terrain.
Temperature Measuring Range	: All borehole natural temperature from hot to icy condition
Temperature Resolution	: $\leq 0.1^{\circ}\text{C}$
System / Data Logging Unit	: 15 “ INTEL i5 -64 bit, 8Gb ram, HD-1tb, Windows 10 Operating system
Fluid Resistivity Resolution	: $\leq 0.05\%$

Winch Mechanism

Cable Capacity	: 600 m of Armoured cable
Depth measurement	: Incremental Shaft encoder and Mechanical counter.
Winch drive	: Motor / Hand driven
Power Source	: Generator 230 V $\pm 5\%$ at 50 Hz frequency which enables to take a load of 500m cable for Up and Downward borehole logging application. The winch can be operated by suitable battery also.