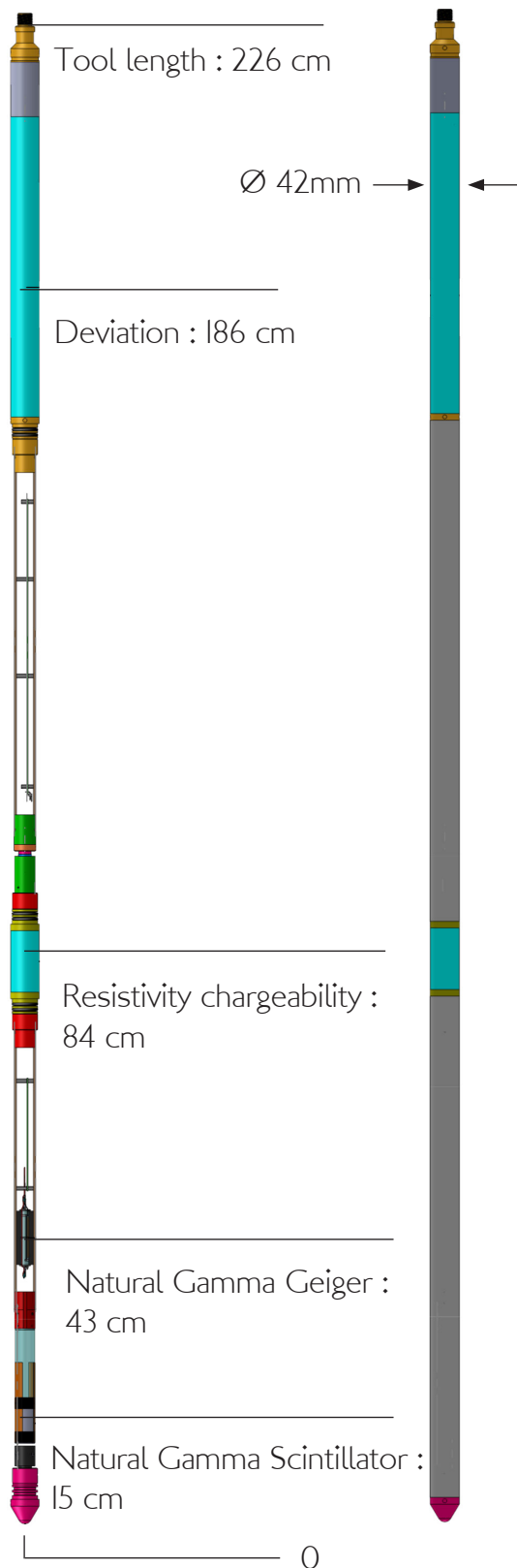


Uranium Exploration Probe UEP42



The UEP42 probe provides a set of data parameters responding perfectly to the needs of both uranium exploration and in-mine grade control. The probe is equipped with two complementary high and low sensitivity gamma radioactivity sensors to allow reliable results to be obtained over a wide range of uranium concentration values.

In addition, the probe provides borehole inclination and azimuth as well as a focussed resistivity / chargeability measurement for the detection and evaluation of alteration zones.

SPECIFICATIONS

Diameter : 42 mm

Length : 2270 mm

Weight : 12 kg

Max. Temp / Pressure : 70°C / 200 bar

Power supply : 70 to 100 Vdc

DATA / SENSOR PARAMETERS

Gamma detector #1 : 25 x 50 mm NaI(Tl) crystal

Gamma detector #2 : dual ZP1200 G-M tubes

B/h inclination range / accuracy : 0 to 180° / ± 0.5°

B/h azimuth range / accuracy : 0 to 360° / ± 1°

Resistivity injection signal : 200 Hz sine wave with ALC

Resistivity measuring range : 0 to 25 kΩ·m (16-bit)

ACCESSORIES / OPTIONS

Resistivity calibration box

BOREHOLE CONDITIONS

Dry or fluid-filled borehole (if resistivity required)