

NOVA CPT (Cone Penetration Testing)

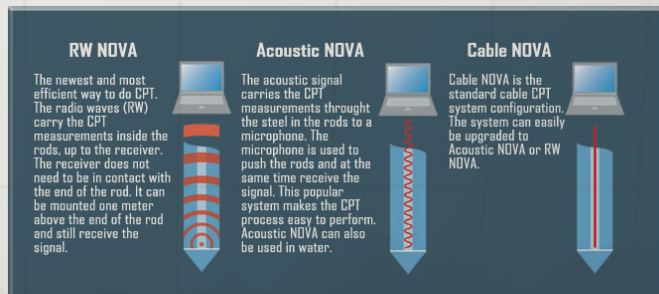
- The only CPT probe industry-wide that provides a constant stream of real-time data while you're probing ... without a cord downhole.
- The only data transmission system of its kind.
- Operator does not have to manage data cable as the rods are cycled in and out of the sounding hole. Rod handling is efficient and the risk of cable damage is eliminated.
- New, RW NOVA technology uses radio waves to transmit measurements back to the receiver, opening the door for cordless SCPT, downhole video camera capabilities, and other data collecting sensors.
- Data transmission methods: Acoustic NOVA, Cable NOVA, RW NOVA
- New cone design offers 18 bit resolution with improved strength and gauge measurement accuracy.
- Repeatable penetration results
- Rod bore can be used for lubrication grouting as rods are pushed into the ground and for retraction grouting as rods are retrieved
- Can be used with multiple push platforms: drill rigs, cone trucks, Geoprobe® direct push machines.
- Interpret results quickly with user-friendly CPT-PRO software for comprehensive data evaluation.



Basic components of the RW NOVA CPT system (clockwise from the left): Instrumentation Cords, Depth Encoder, Computer Interface, RW NOVA Receiver, and RW NOVA Transmitter assembled to the NOVA CPT Probe.

CPT Specifications

<i>Measurement Channels</i>	
Point Resistance (q_p)	50 or 100 MPa 520 or 1040 tsf
Sleeve friction (f_s)	0.5 or 1.0 MPa 5.2 or 10.4 tsf
Dynamic Pore Pressure (u)	2.5 MPa
Tilt (option)	0 - 40 degrees
<i>Dimensions</i>	
Cone	60 degree apex angle
Section Area	10 cm ²
Friction Surface	150 cm ²
Total Length	710 mm / 2.3 ft
Weight	3.5 kg / 7.7 lb
Power Supply	4 "C" alkaline batteries
Net Area Factor, Cone	0.8
Net Area Factor, Friction Sleeve	0.001



**** Couple your CPT cone with Geoprobe® MIP or HPT systems...contact us for further details...800-436-7762**

