



Neptune 5000

Heavy Duty Coiled Rod CPT System

- ▶ **5cm² Detachable Cone, 10cm² Cone and T-Bar Cone**
- ▶ **35kn Push Capability**
- ▶ **Up to 20m Penetration**
- ▶ **Easily Deployed Compact Sub-Sea Frame**
- ▶ **Real Time Control and Display**
- ▶ **Single Coax Connection for Power and Data**
- ▶ **Automatic Safety Cut-Outs**
- ▶ **Low Maintenance, Low Consumable Use**
- ▶ **Easy to Operate Windows™ based PC Control**



Technical Specification

Dimensions	2.325m(L) x 2.325m(W) x 2.74m(H)
Weight in Air	4500kg approx.
Weight in Sea Water	3700kg approx.
Thrust Capacity	3500kg (approx. 35kN, 70MPa)
Max Penetration	20m
Depth Rating	3000m
Penetration Speed	2cm/sec ±10%
Retract Speed	5cm/sec approx
Power Requirement	240 Vac 1ph 50/60 Hz, 4 kw
Umbilical Voltage	650v
Telemetry Link	FSK
Frame Sensors	Altimeters and Tilt
Frame Sensor Data Rate	1 Hz

Tip Accuracy	Better than 100kPa
Sleeve Accuracy	Better than 5kPa
Inclination Accuracy	Better than 1°
Cone Data Rate	Selectable up to 20 Hz
Cone Type	Detachable Digital Non Subtraction
Cone Sensors	Tip, Sleeve friction & Inclination
Optional Sensors	Piezo - Ranges to suit
Cone Tip Area	5cm ²
Cone Sleeve Area	75cm ²
Operating System	Microsoft Windows™ XP, Vista and 7

