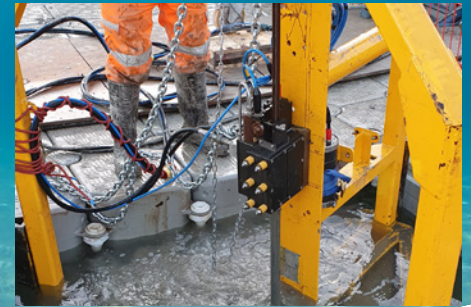




TECH SHEET

ROVcone SBF (UK)



The ROVcone allows operators to deploy a lightweight system but still deliver 1000 kg push force. The system can be paired with any work class ROV, trenching machine or similar subsea equipment. The ROVcone can be used for CPT and T-Bar *in situ* testing to around 5.0 m and push sampling to around 1.0 m in uncemented soils. A unique feature of the system is the wirefree (acoustic) real-time communications between the penetrometer and the ROV which eliminates cabling, reduces snag hazards, and speeds up installation and removal to/ from the ROV. The ROVcone SBF Push Sampler utilises the same drive motor, seabed frame, and launch/recovery arrangements as the

CPT system of the same name but provides an intact sample up to 1 m below seabed. Class 1 sample in suitable material.

Applications

The unit is ideal for route survey, subsea developments, drill cuttings survey. ROVcone can also be deployed from ROV, crawler and trencher systems. For locations which may be problematic for non-ROV conveyed systems to access or which require a high degree of precision or visual reference to access.



Technical Specifications

Penetrometer System Drive Unit Specifications

Maximum thrust force app. 10kN.

Hydraulic drive motor (requires hydraulic supply from deck)

Unit Size 1.2 x 1.2 x 1.8 m

Unit Mass 1200 to 2000kg variable

Push rods 25/ 36 mm dia. (25 standard)

Maximum water depth 100 m

In Situ Test Specifications

CPT cone 10 cm² projected tip area, 60° apex cone

Tip resistance, sleeve friction (compression sensor), and pore water pressure

T-Bar 50/ 100/ 250 cm² options.

Push speed 2 cm/s +/- 25%

Selection of CPT cones available with sensor ranges to suite project water depth and application class of test (Class 1 to Class 3)

Sampler Test Specifications

Projected size and type of the sampler (76 mm diameter push samples)

3" Push Sampler, 1.2 m long

3" Liner sampler with core catcher, 1.2 m long

UK

📍 The Guild Hub
High Street
Bath, BA1 5EB

☎ +44 (0)7962 041451

THE AMERICAS

📍 8502 SW Kansas Ave.
Stuart, FL 34997

☎ +1 (772) 219-3000

📍 Innovate Newport Bldg
513 Broadway
Newport, RI 02840

EMAIL

✉ info@bluefieldgeo.com