

HydroPACT Target Scaling

Subsea Pipe & Cable Tracking Service

HydroPACT Target Scaling is a vital, paid for service offered to assist customers planning to carry out a first-time subsea pipe or cable 'Depth of Burial' (DOB) survey. The Target Scaling procedure determines the optimum HydroPACT system selection and set up, to detect specific pipes and or cables (target) at a specified height, prior to carrying out an actual survey. This in turn significantly reduces the ambiguity involved in the pipe & cable survey process and improves the overall accuracy of the survey data produced by the chosen HydroPACT system.

The HydroPACT 440 MK2, 440 and 660E systems accurately detect and track pipes and cables containing an element of ferrous or nonferrous metal through a technique called pulse Induction technology. However, the ultimate or optimum range of detection is very much dependent on the chosen HydroPACT system and the size, and amount of metal present within a specified target. In general terms, the larger the target, the more metal it contains, the greater the detection range.

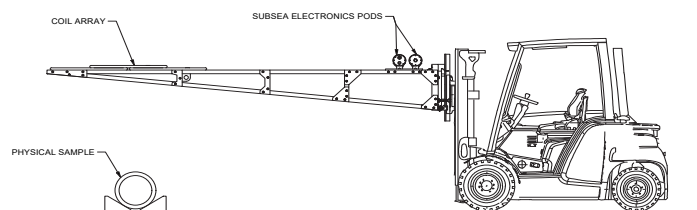
The Target Scaling procedure involves the use of a 'factory calibrated system' and a customer supplied real sample (3 – 5m in length) of the target to be surveyed. From this we produce a written 'Target Scaling Report, which includes the all-important 'Recommended Target Scaling Factor' at the customer specified optimized height, along with an 'Error Matrix' chart. This important Target Scaling information is then used on the chosen HydroPACT system during the actual survey to ensure ultimate accuracy and quality of the survey data and results.

Along with the standard single sample Target Scaling service, we also offer multiple samples, or piggyback Target Scaling, which can include any combination of pipes and cables.

As part of the Target Scaling process, we also offer shipping services, sample storage and sample disposal.



'Piggy Back' scaling example



Contact us

To arrange or discuss your Target Scaling needs please contact: Teledyne Marine UK, Service Team, Aberdeen, United Kingdom marine-supportuk@teledyne.com

Product features and benefits

Target Scaling is vital for first-time subsea pipe or cable 'Depth of Burial' (DOB) survey

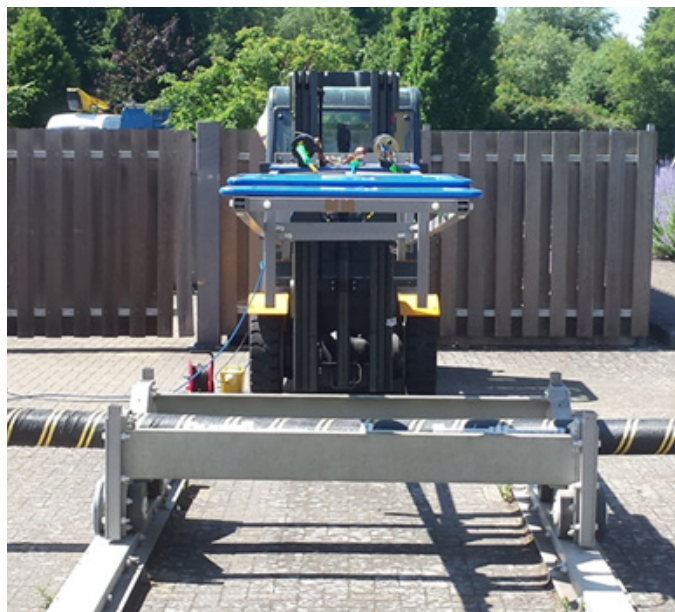
- Manufacturer's confirmation of the capability of the HydroPACT system to detect a specific target
- Report supplied as proof of the testing results
- Report includes optimized height and 'Error Matrix' chart
- Reduces ambiguity and helps to improve accuracy of survey data
- Assists in choosing the most suitable HydroPACT system
- Gives a clear indication of maximum Target detection height
- Multiple sample / piggyback Target Scaling, including combinations of pipes and cables available

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HydroPACT systems suitable for Target Scaling

Part Number	System
B935508	HydroPACT 440 MK2 24Vdc / 110Vac / 230Vac System
B935508	Dualtrack MK2 110Vac/230Vac System
B934894	HydroPACT 440 24Vdc System
500268	HydroPACT 440 110Vac System
500270	HydroPACT 440 110Vac 6000m System
B935030	HydroPACT 660E 24Vdc System
500274	Dualtrack 110Vac System
500278	Dualtrack 110Vac 6000m System



The Target Scaling procedure involves the use of a 'factory calibrated system' and a customer supplied real sample (4 – 5m in length) of the target to be surveyed.

cms	0	20	40	60	80	100	120
40	-6	+4	+5	+9	-1	TOR	TOR
60	-2	+2	+3	+5	-1	-34	SSS
80	0	0	+1	+2	-3	-22	SSS
100	0	-1	0	0	-5	-18	-54
120	0	0	0	-1	-6	-15	-44
140	0	0	0	-1	-6	-17	-40
160	+1	+1	0	-1	-8	-20	US
180	+2	+2	+2	-1	-8	US	US
200	+5	+5	+3	+2	-10	US	TOR
220	+7	+7	+5	-1	US	US	TOR
240	+7	US	US	TOR	TOR	TOR	
260	TOR	TOR	TOR				

Target Scaling Report, including the all-important 'Recommended Target Scaling Factor' at the customer specified optimized height, along with an 'Error Matrix' chart.