

On-reel Visual Inspection

Save costs and time with UPIT™ riser inspection

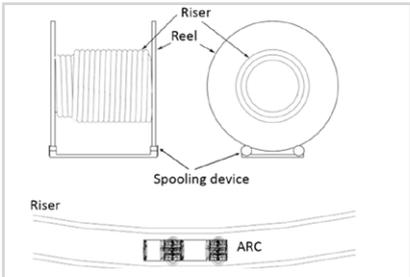


The Untethered Pipe Inspection Tool (UPIT™) is a cost effective method to localise damages on flexible risers. UPIT™ allows for fast visual inspection for documentation of the riser condition, while stored on a reel. The system supports fast and accurate live inspection of risers and offloading hoses.

4Subsea offers products, services, and software related to flexible pipes, umbilicals, and ancillaries used for subsea operations, including **Annulus Vent Gas Monitoring (AMOS™)**, **Portable Annulus Tester (PAT™)**, **Integrity Management**, **Repair Clamps (EPIC™)**, **FlexTrack™**, **FlexIns™**, and **Untethered Pipe Inspection Tool (UPIT™)**. We specialise in **Flexible Pipe Engineering** and **Research**.

KEY BENEFITS

- Provides efficient solution for internal visual inspection of risers or offloading hoses on reel
- Reduces inspection time significantly
- Provides accurate localisation of damage or other issue of interest
- Comes as portable equipment
- Has optional wireless transfer of image with Wi-Fi module
- Detects any signs of damage, corrosion, or wear from operation or recovery operation.
- Is a proven technology



UPIT™ Methodology

Inserted at one end and recovered by the other, the UPIT™ moves through the riser by rotating the reel using a spooling device. Motion sensors are applied for accurate localisation of damages or findings. Equipped with an image-stabilised HD camera with wireless start/stop recording and live video transfer capability, the UPIT™ provides a fast, high quality and cost effective inspection solution for all hoses and risers on reel.

UPIT™ Features and Use Areas

The patent pending UPIT™ has mainly been used in qualification for re-use or to establish the location and nature of damage in a failed riser.

When used for failure or post-mortem inspections, the sections of interest may be removed from the riser for further examination while the rest is discarded, which saves total inspection time significantly.

The method eliminates the risk of inadvertently cutting through an area of interest, which could limit the value of a later detailed damage examination.

UPIT™ used for reel based offloading hoses enables efficient internal inspection with the hose stored on the reel, and the only preparation required is removal of the hose end valve. 4Subsea has performed more than 40 riser inspections for major operators.

Specifications

- Dimensions: 380 x 140 mm
- Weight: 6 kg
- Minimum internal diameter of hose/riser: 5.9"
- Video resolution: Up to 4K UHD
- Inspection time: 5 hours (>1000 m pipe)
- Live inspection: Yes, dependent on signal reception



4Subsea is a leading provider of technology and services that help operators maintain production from subsea oil and gas fields and offshore wind farms. By combining expert engineering competence, practical experience and a digital service, we ensure the integrity of assets all the way from reservoir to deck.

We deliver solutions on a unique digital platform, aiming to be in the forefront of digitising oil, gas and offshore wind operations worldwide. The company was established in 2007, and clients include all the major oil and gas operators as well as the large suppliers of subsea equipment.

Click [here](#) to view a short video of our solutions and offerings.

4Subsea - Share ideas, move forward

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