



**Confident decisions based on high
quality auditable data**

Description

The ACTx™ is a groundbreaking digital core orientation system, purpose-built to enhance the safety and precision of core orientation. Central to the ACTx design is a commitment to providing drillers with a safe, lightweight core orientation solution that enables them to deliver high-quality, auditable data essential for geologists. The patented orientation jig guarantees a consistently sharp and high-quality mark on the core face and along the core edge every time.

As a key component of IMDEX's comprehensive structural solution, our innovative technology seamlessly transfers vital quality assurance data into a secure digital audit trail, ensuring reliability and accuracy every step of the way.

Application

For drillers, the ACTx significantly enhances safety and precision in core orientation, reducing the risk of manual handling issues and injuries. The quality assurance data automatically captured as part of the workflow ensures every orientation is validated, reducing errors and provides your customers with trustworthy data strengthening customer relationships.

Geologists in exploration and mining can rely on the data provided by ACTx to be accurate and reliable resulting in a better understanding of the geological structure, allowing them to make more confident and informed decisions ultimately resulting in enhanced drill program management and geotechnical planning.

Integration

ACTx seamlessly integrates with other critical tools to streamline workflows and minimise errors through automated data flows.

Central to the structural geology solution is IMDEX HUB-IQ™ which saves valuable time allowing the easy combination of downhole survey data from IMDEX survey tools and structural measurements from LOGRx™.

The smooth integration into ioGAS™ for analysis, incorporating assay and other geoscience data ensures that your structural geology interpretations are not only efficient but also error-free, allowing for more confident decision-making in your projects.

Advantages

- Enhanced safety and precision, reducing risk of injury and manual handling issues.
- High-quality, auditable data ensures every orientation is validated.
- The patented orientation jig guarantees consistently sharp and high-quality orientation marks.
- Reduction of errors through the smooth integration with other software and tools.

Core sizes

N, N2 N3, H, H3

Dimensions

Downhole Unit (without coupling adapter)

Length	109 mm
Diameter	48 mm
Weight	560 g

Orientation Jig

Length	120 mm
Width	108 mm
Height	115 mm
Weight	1010 g

Operational environment

Downhole Unit

Operational Temperature	-30°C to 60°C (-22°F to 176°F)
Storage Temperature	-30°C to 60°C (-22°F to 176°F)

Orientation Jig

Operational Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-20°C to 50°C (-4°F to 122°F)
Charging Temperature	3°C to 40°C (37°F to 104°F)

Performance

Downhole Unit

Dip Range	0° to ± 87°
Accuracy	± 2°

Orientation Jig

Accuracy	± 1°
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Battery

Downhole Unit

Battery Type	Non-rechargeable Lithium Metal
Battery Life	1,400 orientations (Approximate)

Orientation Jig

Battery Type	Rechargeable Lithium Ion
Charge Time	9 hours
Battery Life	30 days (Approximate)

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