

# **Krautkrämer PAXYS comPAct with DA-5M-32-1.5p Probe Module**

A Practical, Low-Complexity Upgrade from Manual UT for  
Corrosion Mapping

Date

# Who it's for

Asset owners and inspection service providers conducting corrosion thickness mapping with conventional UT who need faster execution, lower labor intensity, and the ability to inspect hard-to-access assets — without the complexity of a full PAUT system.



# The challenge



- Slow, labor-intensive point-by-point thickness measurements
- Multi-person inspection setups required for many field applications
- Limited access to constrained, vertical, or remote inspection areas
- Operator-dependent results leading to inconsistent datasets and reinspection risk
- Turnaround pressure driving the need for faster, more predictable inspections

# The Solution

Krautkrämer PAXYS comPact upgrades corrosion mapping from manual UT grids to a portable, scanner-based workflow, enabling single-inspector operation, faster deployment, and consistent data capture, even on difficult-to-access assets.

By combining encoded scanning with a lightweight, integrated system, PAXYS delivers repeatable thickness data and clear C-scan visualization without the setup, manpower, or complexity of larger PAUT systems.



# What Changes for You



- Reach assets you could not inspect efficiently before
- Reduce crew size with single-inspector operation
- Deploy quickly and adapt inspection scope in the field
- Capture consistent, defensible data on every job

# Key Customer Benefits



- **Access difficult-to-reach inspection areas**

Compact design enables operation in rope-access, confined, vertical, or remote environments where traditional approaches are impractical.

- **Reduced manpower requirements in the field**

Scanner-based acquisition allows single-inspector execution, reducing dependence on multi-person crews and lowering labor intensity per job.

- **More agile corrosion mapping in the field**

Fast setup and simple deployment support rapid mobilization and on-site adaptability during turnaround work.

- **More repeatable and defensible data**

Encoded scanning minimizes operator variability, delivering consistent datasets and reducing reinspection risk.

- **Clear corrosion visualization for reporting**

C-scan maps provide clear wall-loss visualization for faster interpretation and improved stakeholder communication.

# What's Included



## Typical Package

- Acquire software platform (included)
- Wear shoes radii: 4", 6", 8", 10", 12"
- Pressure bottle for water feed
- PAXYS comPAct + DA-5M-32-1.5p array

# What it is / is not

## Is:

- Purpose-built for corrosion mapping
- Enables single-person field execution
- Suitable for difficult-access environments
- Faster and more repeatable than manual UT

## Is not:

- A replacement for advanced PAUT platforms
- Focused on advanced imaging or beam steering complexity

# 15-second Talk Track

Most corrosion mapping with manual UT is slow, labor-intensive, and difficult on hard-to-reach assets. The Krautkrämer PAXYS enables a single inspector to perform portable, scanner-based corrosion mapping, delivering faster inspections, consistent thickness data, and a clear C-scan, even in constrained or remote environments, without the complexity of larger PAUT systems.

