

K-DUCER KDU-1A new features v39 & v40

2024

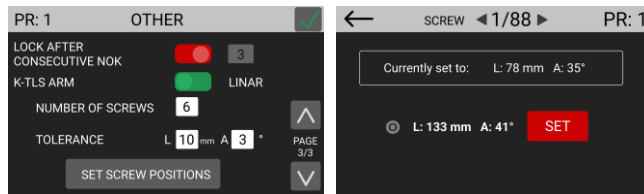
NEW PRODUCT: K-TLS smart positioning arm

New plug-and-play smart positioning arm compatible for the K-DUCER

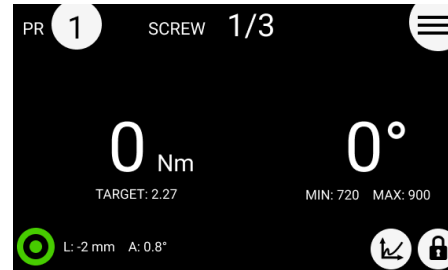
Program screw positions directly in the KDU-1A. No TLS1 controller needed!

Customers with K-DUCER and TLS1 can easily upgrade to the K-TLS by purchasing only the new K-TLS adapter P/N 020049 and upgrading the KDU-1A firmware to v40

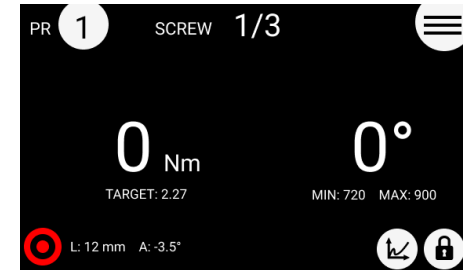
New customers can order K-TLS positioning arms, plug-and-play with the K-DUCER



Setting screw positions



Arm located at saved position:
screwdriver enabled



Arm outside saved position:
screwdriver disabled

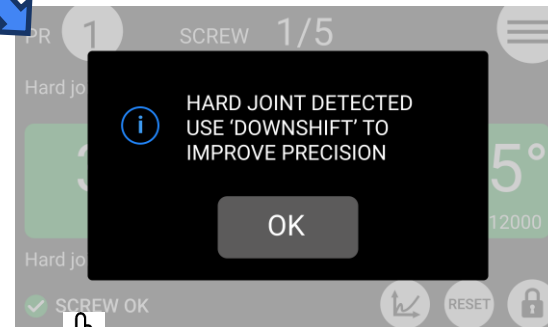
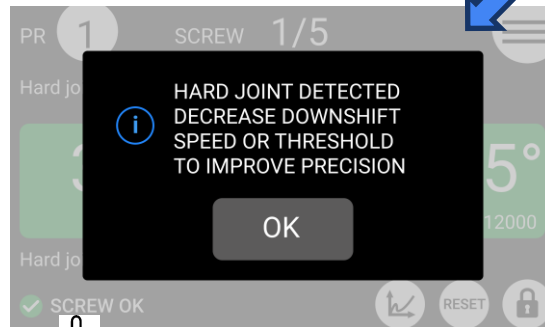
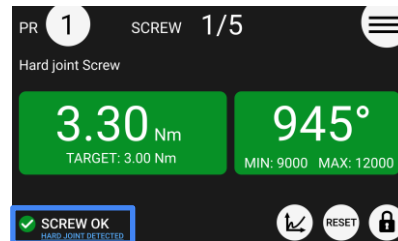
AUTOMATIC HARD JOINT DETECTION



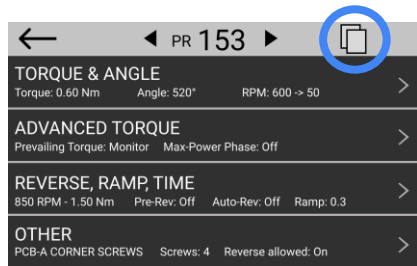
Soft joint



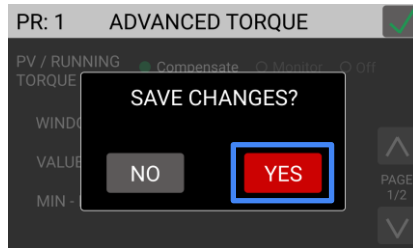
Hard joint



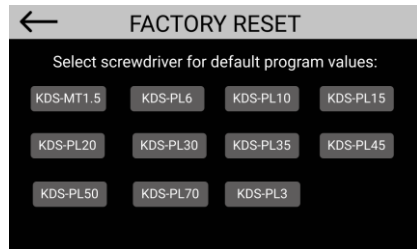
CONVENIENCE FEATURES



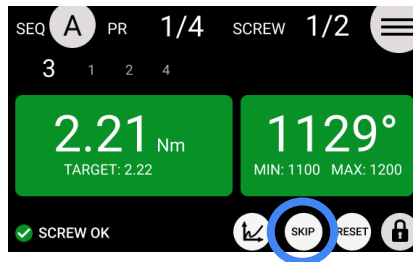
Program menu:
Copy-paste any
program to
another program



Program menu:
Press & Hold YES
to save and
return directly to
main screen



General settings menu:
Factory reset to default
program values for any
screwdriver model



Main screen:
Press & Hold SKIP
to skip to next
program (instead
of screw)

Substitute units: assign different torque measurement units to each program (optionally)
Measurement units now include lbf-ft

CONNECTIVITY

Use any two ethernet protocols simultaneously:

Modbus TCP (incl. K-Expand) + Open Protocol

Modbus TCP + ToolsNet

Open Protocol + ToolsNet

Support for Open Protocol MIDs 2500 & 2501: read and modify program parameters

Updated API for C# (NuGet) and library for Siemens S7 PLC

10x faster configuration download from KDU to K-Expand