

Product News Mounting-Documentation-System MDS

Applications

Bolt-connections on high quality levels, with narrow limits of tolerances, demand the highest requirements on the bolting technology. Materials, bolt-sizes and - qualities, required torque as well as tolerances determine the measuring procedure and bolting method.

These demands require a flexible, high powerful system: **alkitronic® HSD**

- The handy sensor torque multiplier is used for torque controlled bolting and reliable measurement data recording on the spot. Torque as well as angle of rotation can be set and documented on site.

Advantages

- Repeatability in tightening - independent of disturbances.
- Guaranteed traceability and documented joints.
- High mobility - independent of external power supply.
- Low energy input - low torque input. High controllable torque output.
- Control panel with OLED graphic display. Display of torque in Nm or lbf.ft.

alkitronic® Specials

- **Torque- and angle sensor directly on the square drive.**
- Select your individual bolting- and measurement method - several preset programs can be chosen.
- Menu-guided multilingual operation, using visual and acoustic control- or warning signals.
- Data transmission via the **Bluetooth® interface** for communication with mobile phones and other devices, such as tablets.
- **alkitronic® APP** for iOS® - and Android® - mobiles and platform independent data exchange via CSV file transfer.

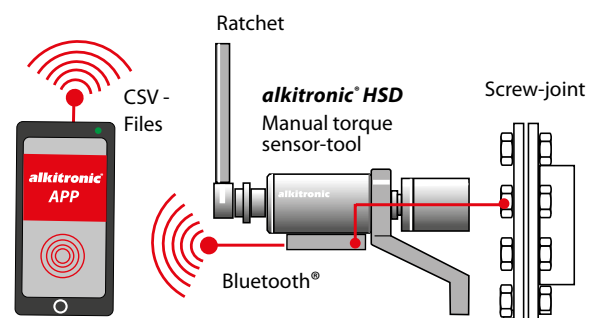


Technical Data

Type		HSD 100	HSD 200	HSD 400
Measuring range approx.	Nm	100-1000	200-2000	400-4000
Power (max)	Nm	1000	2000	4000
Square drive	B	1"	1"	1 1/2"
Diameter	D ₁ mm	54	54	72
Diameter	D ₂ mm	88	88	98
Height approx.	H mm	220	295	320
Weight approx.	kg	7,5	8	10,5

Accuracy: +/- 1% / Temperature range: 0 to + 50° C / Protection class: IP 54

Application-Scheme



Overview of the programs A-B-C

A - Tightening with torque control

- CW- Direction: Torque controlled tightening of a high quality bolted connection (with or without target value)
- CCW-Direction: Determination of the starting torque of already tightened bolt connections

B - Tightening with torque control + angle

- Pre-torque and angle guarantee optimum bolting (both values can be pre-selected)
- Control using a variable after-tortion angle

C - Determination of the actual torque

- Determination of the actual torque using a pre-selected read-out acquisition-system



alkitronic® HSD - torques from 100 Nm to 4000 Nm (type-specific)

alkitronic®

TORQUE POWER WORLDWIDE

alkitronic® products
Made in Germany by

alki TECHNIK GmbH

Development, Production and
Distribution of Bolting Systems

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