

MDS

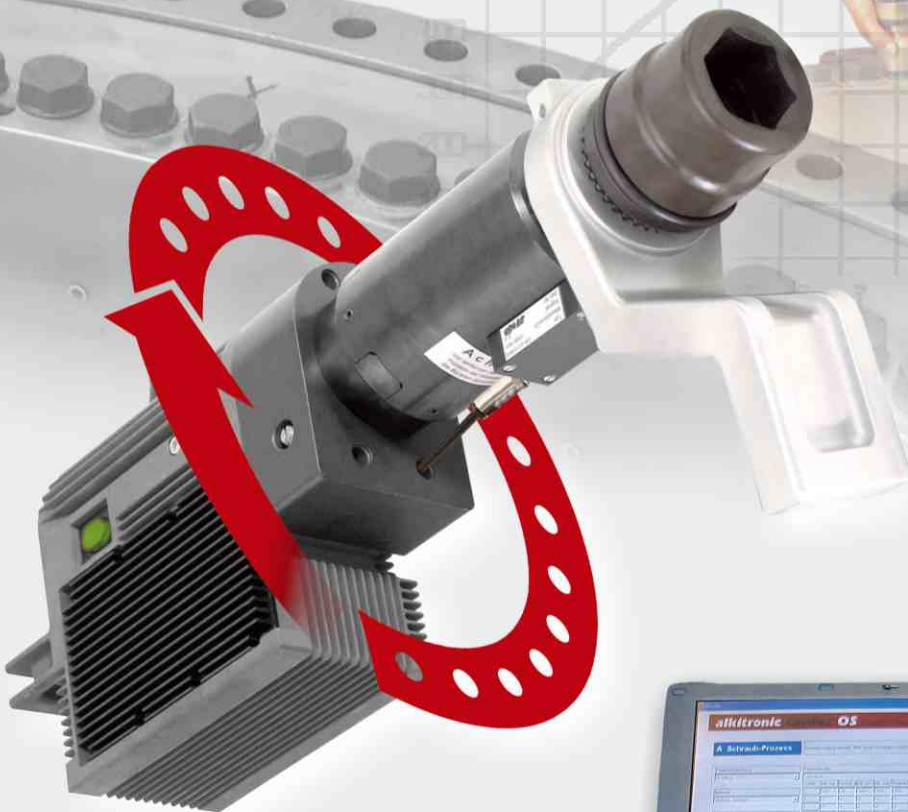
Mounting-
Documentation-System



Torque measurement
directly on the bolt

Permanent quality control

Integrated sensor system



alki
TECHNIK
GMBH

alkitronic®

MDS - for your flexibility - stationary work place and application on the spot

MDS - for your specific joints - individual composition of bolting processes

MDS - for your repeatability in tightening - torque/angle-bolting process

MDS Examples of configuration:

Controlling of electric- or hydraulic operated torque wrenches

Simultaneous operation with up to 4 sensor tools is possible.



MDS Example with electric sensor tool



alkitronic ESDx

- Integrated sensor system
- Torque measurement directly on the bolt
- Maintenance-free synchronized motor
- Computer controlled regulation
- High torque and outstanding efficiency

cards OP - Operation Panel

Handy, menu operated tool for operation on the spot without PC/Laptop

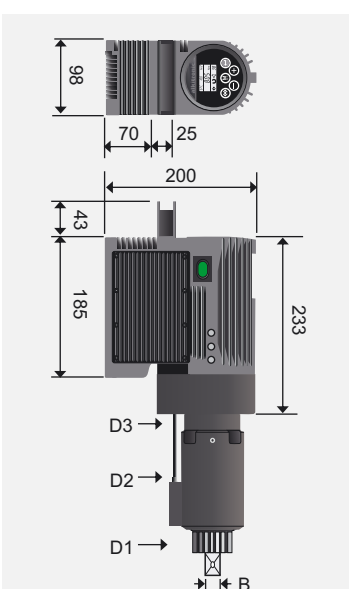
- Transfer of preset bolting parameters to the torque tool
- Recording of the actual bolting values



cards OS - Application Software
Menu operated, application-safe operation

- Setting of individual data sets
- Creation and selection of bolting processes with complex parameter sets
- Controlling and graphical monitoring of the current bolting process
- Retrieving and archiving of charts
- Integrated working check specially for **alkitronic** - electric torque tools

Technical Details



alkitronic ESDx Voltage **100-253 V**, Frequency **45-66 Hz**, Power **2000 W**

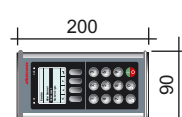
Accuracy of sensor: +/- 0,5 % fsr, Temperature range: 5 - 50 degrees Celcius

Series/Type		ESDx 50	ESDx 100	ESDx 200	ESDx 300	ESDx 400	ESDx 600
Torque range approx.	Nm	50-500	100-1000	200-2000	300-3000	400-4000	600-6000
Nominal torque (max.)	Nm	500	1000	2000	3000	4000	4000
Square drive	B	3/4"	1"	1"	1 1/2"	1 1/2"	1 1/2"
Diameter D ₁ approx.	mm	41	54	54	72	72	72
Diameter D ₂ approx.	mm	85	85	85	98	98	123
Diameter D ₃ approx.	mm	88	88	88	88	88	123

The **processor controlled shut off electronic** guarantees accurate repeatability of torques.

Angle resolution: 1 degree; Protection Art Ip54.

Further types and detailed information upon request:



Measurements in mm

Operation Panel cards OP

Power supply: Battery and via data cable ESDx tool. Bar code reader optionally. Memory capacity: approx. 10.000 bolted joints depending on the parameter sets

Application Software cards OS

Data communication via USB. Can be run under MS Windows XP (R) Microsoft

alkiTechnik reserves the right to change specifications without prior notice