

Controller



HERMES TOOLS

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Premium Power Tools 

MADE IN GERMANY



HS-Technik GmbH
High - System - Technik

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BTC-Tool Controller

Wi-Fi controller for battery tightening and riveting tools

- **Up to 20 HST Wi-Fi tools**
(TorqBee / RivBee / NutBee)
- **Electronic Torque Wrench**
(SCS Freedom 4)
- **With 2.4 / 5 GHz Wi-Fi Access Point**
(811.2 a / b / g / n / ac)
- **Quick system exchange**
(SD card for system configuration)
- **4 × 20 character OLED-Display for status information**
- **Web interface for programming and visualization via web browser with tablet or panel PC possible**
- **Interfaces**
 - 2 × 10 / 100Mbit Ethernet
 - 2 × USB
 - 1 × audio
- **Connection to the following systems:**
 - OpenProtocol
 - PFCS (FCA)
 - ProfiBus
 - ProfiNet
 - 24 Volt Digital I/O's
- **Accessories**
 - Socket Trays
 - Display Panel
 - Printer



BTC-Tool Controller



BTC-Profibus



BTC-Profinet

Order no.	Input	Temperature range	Weight	Dimensions L × W × H
BTC-O-*	85 - 264 V AC, 47 - 63 Hz	0 - 40 °Celsius	approx. 1.60 kg	180 × 150 × 90 mm

Order no.	Description
BTC-PB-*	ProfiBus interface for BTC-Tool Controller
BTC-PN-*	ProfiNet interface for BTC-Tool Controller
BTC-24-*	24 Volt digital OK interface for BTC-O Tool Controller



BTC-24

*
EU = Schuko plug
US = USA plug
UK = UK plug
AU = Australia plug

Socket trays for BTC-Tool Controller

SNS-HM4-ETH & SNS-HM8-ETH



- 4-bay socket tray with status LED for BTC-Series
- Incl. intelligent socket/bit recognition, checking if correct socket is plugged
- Max. 35 mm Ø socket
- Indication and operator guidance by colored LED
- Inductive sensors that react to all common metals
- Incl. Controller connection cable SNS-ETH-M12 and power supply
- Extension module available, order no. SNS-EXM4-M12

- 8-bay socket tray with status LED for BTC-Series
- Incl. intelligent socket/bit recognition, checking if correct socket is plugged
- Max. 35 mm Ø socket
- Indication and operator guidance by colored LED
- Inductive sensors that react to all common metals
- Incl. Controller connection cable SNS-ETH-M12 and power supply
- Extension module available, order no. SNS-EXM8-M12

Order no.	Description
SNS-HM4-ETH*	4-bay socket tray

Technical data	SNS-HM4-ETH*
Dimensions L x W x H	255 x 110 x 60 mm
Weight	approx. 1.2 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 200mA
Connections	2x M12 A - coded (5 pin, 1xF + 1xM), 1x M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

Order no.	Description
SNS-HM8-ETH*	8-bay socket tray

Technical data	SNS-HM8-ETH*
Dimensions L x W x H	255 x 170 x 60 mm
Weight	approx. 2.1 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 200mA
Connections	2x M12 A - coded (5 pin, 1xF + 1xM), 1x M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

* Other designs are also available.

Socket trays

SNS-B8-ETH & SNS-EXM8-M12 & Accessories



SNS-ES-POM

- 8-bay bit selector for use with the controllers of the BTC-Series
- Incl. intelligent bit recognition, checking if correct bit is plugged
- Exchangeable inserts for max. flexibility
- Inductive sensors that react to all common metals
- Incl. Controller connection cable SNS-ETH-M12 and power supply
- Extension module available

- Plastic insert unmachined incl. titel block
- Screw and copper foil, material: POM
- Cylinder \varnothing 40 mm, h=29.8 mm
- Upper edge 56.5 x 47 x 4 mm

Order no.	Description
SNS-B8-ETH	8-bay bit selector

Technical data	SNS-HM4-ETH*
Dimensions L x W x H	255 x 85 x 50 mm
Weight	approx. 0.75 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 250mA
Connections	2x M12 A - coded (5 pin, 1xF + 1xM), 1x M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

Accessories suitable for	Order no. (Description)
SNS-HM8-ETH* SNS-HM4-ETH* SNS-EXM8-M12 SNS-B8-ETH	SNS-ES-POM (Plastic insert blank)
SNS-HM8-ETH* SNS-HM4-ETH* SNS-B8-ETH	SNS-ETH-M12 (Ethernet connection cable M12 – RJ45)
SNS-HM8-ETH* SNS-HM4-ETH* SNS-B8-ETH	TCB-NETZ-Scalance (Power adapter 24V DC with M12 plug A-coded)
SNS-HM8-ETH* SNS-HM4-ETH*	SNS-EXM-M12 (Extension module connection cable)
SNS-HM8-ETH*	SNS-EXM8-M12 (8-bay extension module)
SNS-HM4-ETH*	SNS-EXM4-M12 (4-bay extension module)

Operating modes

Tool guide

The controller specifies the program, the tool attachment to be used is displayed on the socket/bit selector via LED. Approval is only given to the tool when the correct tool attachment is removed.

Bitmode

When a tool attachment is removed, the associated program is started by the controller. The worker can therefore decide for himself which process step to process.

More functions

The individual socket/bit slots can be parameterized via software, which prevents the tool attachments from being mixed up.

NetBee-Series

Controller for battery tightening and riveting tools

- **Up to 12 HST Tools**
(TorqBee / RivBee / NutBee)
- **Electronic Torque Wrench**
(SCS Freedom 4)
- **Max. two work stations**
- **7" Color-Touch-Display**
- **Webinterface for programming and visualization**
- **Interfaces**
 - 2 × Ethernet
 - 1 × USB-C
 - 4 × USB
 - 16 inputs / 16 outputs (NetBee-16IO-*)
- **Can be connected to:**
 - OpenProtocol
 - PFCS
 - ToolsNet
 - IPM
 - VW XML (not approved yet)
 - Fieldbus
- **Accessories**
 - Barcode reader
 - Printer
 - Label printer
 - Socket tray
- **Memory**
 - 100.000 results
 - 100.000 curves
- **Upgrade to max. 6 stations and Multibrand function possible**



No Wi-Fi Access Point incl.

Order no.	Description
NetBee-40-*	NetBee Controller
NetBee-16IO-*	NetBee Controller with 16 in-/outputs

Order no.	Description
NetBee-UH	Upgrade to max. 6 stations and Multibrand function

Technical data	NetBee-xxxO-*
Dimensions L × W × H	208 × 319 × 199 mm
Weight	5.30 kg
Operating temperature	5 - 40 °Celsius
Humidity	95 %, not condensing
Protection category	IP40
Voltage supply	100 - 240 VAC, 50/60 Hz

*
EU = Schuko plug
US = USA plug
UK = UK plug
AU = Australia plug

NetBee-Series

Socket tray



Order-no.	Description	
NetBee-ST6-39	6-bay socket tray for NetBee, max. socket diameter 39 mm	Supplied without CAN and power cable
NetBee-ST6-50	6-bay socket tray for NetBee, max. socket diameter 50 mm	Supplied without CAN and power cable
NetBee-ST8-39	8-bay socket tray for NetBee, max. socket diameter 39 mm	Supplied without CAN and power cable
NetBee-ST6-39-W	6-bay Wi-Fi socket tray for NetBee, max. socket diameter 39 mm	Supplied without battery
NetBee-ST6-50-W	6-bay Wi-Fi socket tray for NetBee, max. socket diameter 50 mm	Supplied without battery
NetBee-ST8-39-W	8-bay Wi-Fi socket tray for NetBee, max. socket diameter 39 mm	Supplied without battery

Technical data	NetBee-ST6-39(-W)	NetBee-ST6-50(-W)	NetBee-ST8-39(-W)
Dimensions L × W × H	302 × 149 × 160 mm	302 × 149 × 160 mm	402 × 149 × 160 mm
Weight	4.00 kg	4.00 kg	5.20 kg
Operating temperature	5 - 40 °Celsius	5 - 40 °Celsius	5 - 40 °Celsius
Humidity	95 %, not condensing	95 %, not condensing	95 %, not condensing
Protection category	IP40	IP40	IP40
Voltage supply	+24 VDC, maximum 800 mA	+24 VDC, maximum 800 mA	+24 VDC, maximum 800 mA



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