

Masterlink BTM-III (12/24V DC)



PN 70403163

- For three independent batteries (12/24V DC)
- Easy installation
- State of charge for all three banks
- Automatic calculation of Charge Efficiency Factor
- More historical data than ever before
- Including abuse counter (indicating excessive and very slow discharges)
- Including protective black housing
- NMEA 0183 connection
- Read-out possible in ten different languages
- Another shunt (0-1000A/100mV) is optional
- One shunt (500A/50mV) included (precise measuring of one battery)

Description

A Mastervolt battery monitoring panel brings an end to nasty surprises, like a sudden shortage of battery power. This sophisticated and popular panel provides broad information.

This information includes reading voltage, current, Ah, time remaining and remaining capacity in percentage terms for the main battery. The Masterlink BTM-III (12/24V DC) has LED indicators for remote monitoring of the battery level. A well-lit LCD screen also displays direct online data or historical information. In a single screen the state of charge and the voltage of three banks can be shown simultaneously.

A protective black housing, easy to install, is included as standard for protecting the electronic components against moisture and dust. This panel is suitable for MasterVision, Mastervolt's modular central switchboard with various monitoring functions. The included shunt, a measurement device for accurate reading of on board systems and batteries, should be placed close to the battery. For a high current system an optional 1000A Shunt is available.

A tailor made twisted pair connection cable is also available. A software package (MasterAdjust) can be downloaded from this website to monitor and log all information onto a PC. The PC is connected via a MasterBus PC Link. The NMEA output can be connected to a PC with the optional MasterBus PC Link. It is now easy to integrate energy monitoring into any software package. Please consult the accessories section for the software, the PC Link and the twisted pair connection cable.

In a system with only two battery banks the input of the third bank can be used as a backlight input. If you connect this with the navigational lights, for example, both will turn on simultaneously. The BTM-III includes ten languages: English, French, German, Spanish, Italian, Dutch, Norwegian, Danish, Swedish and Finnish.

Specifications

TECHNICAL SPECIFICATIONS

Number of battery sets	3 battery banks
Max. Amp-hour capacity	9999 Ah
Readout voltage	yes
Readout current	yes
Readout Amp-hours	yes
Time remaining indication	yes
Battery capacity in %	yes
Compatible with MasterVision	yes
Current consumption (sleep mode)	28mA/12V - 26mA/24V
Current consumption (operation)	100mA/12V - 50mA/24V
Supply voltage	9-35V DC
Voltage range measurement	7-35V DC
Voltage resolution	0.05V
Voltage deviation	$\pm 0.6\% \pm 1$ figure
Amps measurement range	500A
Shunt specification	500A/50mV (service set)
Built-in depth incl./excl. cover box	55 mm/40 mm
Weight instrument (incl. shunt)	0.9 kg
Dimensions shunt (HxWxD)	84x44x44 mm - M8
Battery alarm contact	yes, open collector
Connection cable (8-wire) necessary	yes
Extra LED indication	battery capacity in %

Accessories



MasterBus-Serial Interface



Serial PC Link



Twisted pairs (shielded)
(4x2x0.25 mm²)



Serial PC Link (galvanically
isolated)



Shunt (0-1000A/100mV)
for BTM III