Digital ammeter hour counter to monitor the consumed and loaded capacity of your batteries on board. Integrated current and voltage measurement.

- Minimal own consumption (3,5 mA at 12 V DC)
- The capacity of the Service-Battery can be individually programmed
- Automatic storage of all values on failure of power supply
- Illuminated LCD display
- Very high accuracy und large capacity range

Optional relay output allows a switch function incase a fall above or below of capacitance occurs.
For example, an acoustic signal to warn against a low discharge, or by a full charge, the current between the altenator and diode splitter can be reduced.
Further more a Generator, (if charge falls below a free to choose rest capacity), may be started to recharge batteries..
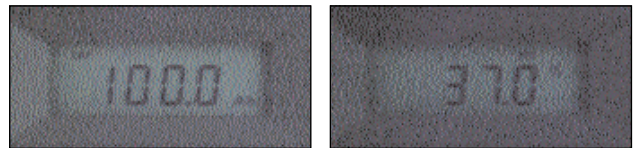
All important parameters such as total capacity charge factor etc. may easily be programmed. In this way the unit may be optimally designed to match your equipment. Display of available capacity in percentage or amp hours
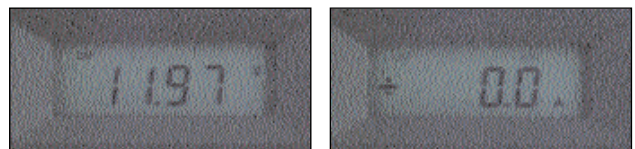
Measurement of charging and discharging current. Auto focus system extends measurement range by factor of 10. This allows leakage of up to 10 mA to be checked. Measurement of ship's voltage. Acoustic alarm at pre determined residual capacity.
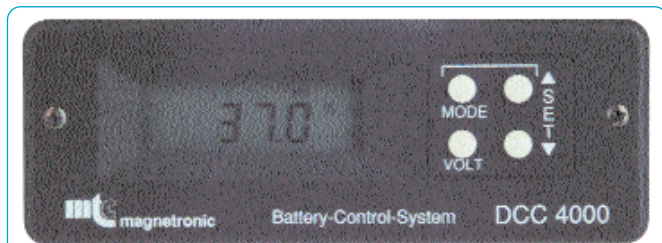
DCC 4000	Bestell-Nr.: 6 0001 4000

Battery control system with three measuring ranges for voltage (V) current (A) and battery capacity (Ah). Connection via shunt. There are 3 different shunts to choose from (100 A, 200 A, 600 A), please order separately.
Battery controler with outlet relais (nc)

| DCC 4000 -Memory 12 V	Bestell-Nr.: 6 0001 4901
DCC 4000 -Memory 24 V	Bestell-Nr.: 6 0001 4911
DCC 4000 -Batterie Voll 12 V	Bestell-Nr.: 6 0001 4902
DCC 4000 -Batterie Voll 24 V	Bestell-Nr.: 6 0001 4912

DCC 4000 E	Bestell-Nr.: 6 0001 4001

Arrangement as in DCC 4000 but without programming facility and without automatic storage with failure of the power supply. There are two different shunts (100 A, 200 A) for selection. Please order separately. (without illustration).

Shunt 200 A

Shunt 600 A
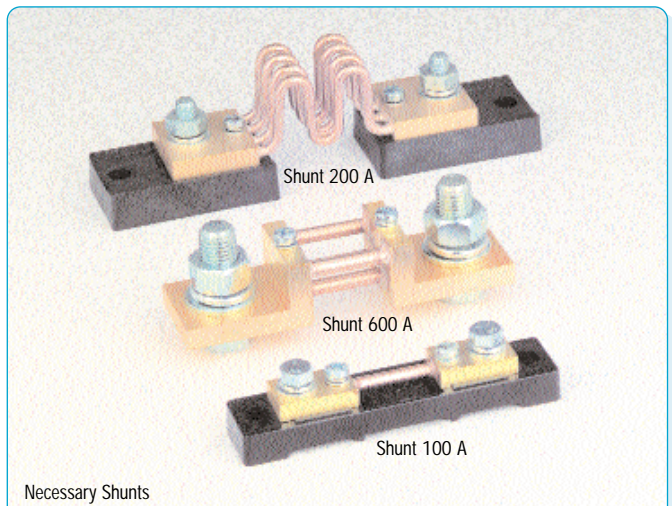
Shunt 100 A

Necessary Shunts

Shunt 100 A/100 mV	Bestell-Nr.: 7 3100 0100
Shunt 200 A/200 mV	Bestell-Nr.: 7 3200 0200
Shunt 600 A/60 mV	Bestell-Nr.: 7 3060 0600

Technische Daten	
Operation voltage	8 - 30 V DC, 3,5 mA - 36 u. 48 V optional
Current-/ Capacitance range	Shunt 10 mΩ: 0,01 - 40 A / 0,01 - 99,99 Ah
	Shunt 1 mΩ: 0,1 - 400 A / 0,1 - 999,9 Ah
	Shunt 0,1 mΩ: 1 - 4000 A / 1,0 - 9999 Ah
Measuring process	current average
	Dual Slope, Autom. Zero point correction
	4 measurements / sek. (Auto-Focus 1 /sek.)
	Input galvanically separated
Temperature range	- 10 bis + 60°C
Voltage measurement	through power supply
Accuracy	0,1 % / 1 Digit
	0,1 % / 4 Digit bei Auto-Focus
Illumination	LED - background illumination ca. 20 mA
Relay outlets	programmable, contact 1A / 30V
Electrical connection	6,3 mm spade terminals
Dimensions	cover: B 125 x H 45 mm
	cut-out: B 105 x H 40 x T 90 mm

Electrical connection (only DCC 4000, not DCC 4000 E)

2002/03

bootselektrik