

## MV1 manual

### Holding MV1 correctly

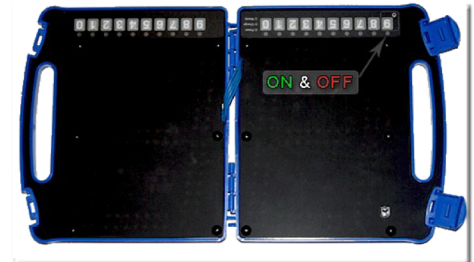
MV1 is generally held in the centre from the top (keypad area) and tilted downwards so that the case halves can be held with one hand. In this state, the keypad can be read and operated by the operator.

The attached at the back of both panels belt (depending on the version delivered) relieves the hand and facilitates stress-free operation.



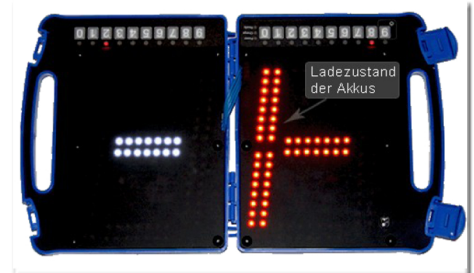
### Switching on and switching off

The button "9" on the right side (symbol) is the switch-on and switch-off button and enables both the displays. Press "9" to switch on. Keep "9" pressed for approximately 3 seconds to switch off. If the LED number pad is not operated for more than five minutes, it switches off automatically. This helps save energy and increases the battery runtime. If you press any button on the left or right, the 5 minute switch-off time will reset.



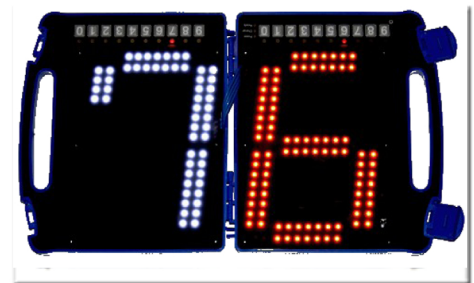
### After switching on

The keypad LEDs flash as moving light and a middle horizontal segment lights permanently on both sides. In addition, two red vertical segments light up on the right side, which displays the charge status of the batteries. For more information regarding this, refer to the column "Battery".



### Number selection

The desired number illuminates after pressing a button. Press the button briefly. In principle, the number on the left pad is displayed in **white LED** and that on the right in **red LED**. The numbers can be identified extremely well even at a distance of 60 m or in case of poor visibility conditions. A special filter made of acrylic ensures excellent anti-glare and anti-reflective reproduction of the numbers. Its surface is resistant against finger scratches.



### Charging/Discharging

The traffic light principle is used to describe the charging process of the LiPo batteries. A microprocessor ensures deep discharge of the batteries. If a button on the keypad was not pressed during a five minute period, the system will switch off automatically. This helps to save energy and you get more battery runtime as well.



### Battery

MV1 has a lithium polymer battery (LiPo) to achieve best results in the smallest areas. After switching on, two red vertical segments turn on, which indicate the charge status of the batteries. These segments become shorter with decreasing increasing battery performance. To reduce the power consumption, MV1 will dim the LEDs in the half-full condition when only one segment is active with 60% brightness. In spite of that, an additional operating time of approximately 45 minutes up to 1.5 hours is possible. During use, the LED keypad (early warning display) blinks to indicate the charge status. The microprocessor does not allow you to switch on the unit if the battery is weak. It thus prevents deep discharge so as to protect the battery.