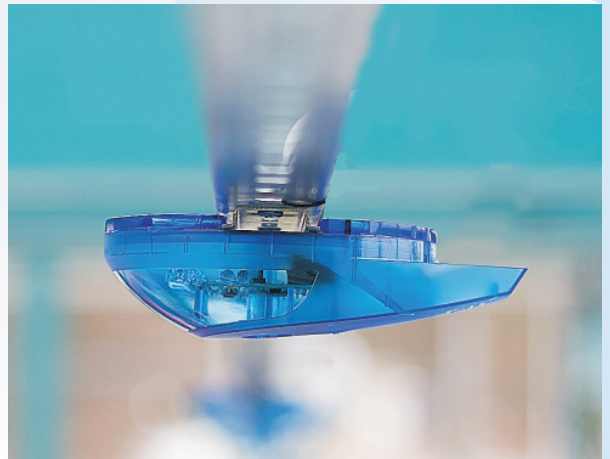


## Single Space Detection "eParkSys"

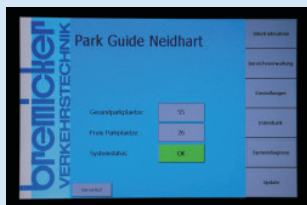


- ➔ simple system
- ➔ modular concept
- ➔ for small and big car parks

# Technical data sheet



Single space sensor



Embedded car park computer



Possible car park sign  
(according to customer specification)

## Single Space Detection "eParkSys"

### Advantages

- identification of all free parking spaces
- direction to next free parking space
- increased customer service
- higher acceptance of car park
- efficient use of existing car park capacity
- increase of occupancy rate and turnover
- precise statistical analysis of the occupancy rate

### Technical data

#### Single space sensor

- measurement of height by ultrasonic cap, voltage metering
- optional: temperature and light sensor, 3<sup>rd</sup> LED color (e. g. for disabled parking spaces)
- sensing range: 0,03 - 4,50 m
- operating frequency: ca. 40 kHz
- resolution: 0,01 m
- power supply: 6V DC - 36V DC
- power consumption: max. 0,6W (6 LEDs per color)
- operating temperature: -20°C - +70°C
- protection class: IP 33
- display (red, green): LED technology
- viewing angle: > 180°

#### Zone distribution frame

- bus expansion, voltage feed-in, voltage metering, temperature sensor, light sensor
- power supply: 230V AC
- power supply for sub busses: 24V DC
- power consumption for sub busses: ca. 130W bei 24V DC
- own consumption: ca. 1W
- operating temperature: -20°C - +70°C
- protection class: IP 54

### Embedded car park computer

- 7" color display with touch panel (resolution 800x480 pixel) for manual on-site operation
- assigning of device addresses, initialization
- firmware management of all devices
- data logging
- actuation of car park signs
- recording of data into SQL database (voltage, light, temperature, status)
- master for actuation of outside LCD signs for car park guidance system
- device management (allocation address <-> parking space number)
- management of different parking areas
- data transfer to the superior processor by TCP/IP
- error analysis
- error diagnostics (running light)
- car park management
- communication with software of car park management

### Web-based car park software

- device management (allocation address <-> parking space number)
- management of car park areas
- visualization of car park data
- statistics and reports

### Car park signs

Car park signs are signs for remaining parking spaces, arrows, X with LED technology. These signs are necessary for traffic routing inside the car park. They can also be controlled with their distinct device addresses by the system bus.