



# EXACT POSITIONING FOR AMUSEMENT RIDES

## OUR SOLUTION FOR YOUR RIDE

The new VAHLE APOS Magnetic U20 system ensures that you have access to the exact position of your amusement ride at all times.

Safe and easy-to-maintain, the APOS Magnetic U20 allows for more efficient ride operation. The new design features a high update rate and excellent reading head accuracy to ensure you are always synchronized to your ride effects.

**VAHLE** – Your vision our solution

## POSITIONING YOUR RIDE

Ride systems have adapted rapidly in recent years — in every sense of the word. Attractions are faster, higher and more spectacular than ever before. In response, we have continued to develop and expand our technology to meet the growing industry needs. The VAHLE positioning system measures the exact position of each individual cart on the ride's course.

### Technical Details:

The system consists of the magnetic operating reading head and support profile with code rail and sliding band. The track-guided reading head and flexible code tape allow the position to be detected at any point on the code tape in three-dimensional systems. The absolute position value is forwarded to the customer PLC via interface.



### Reading head

short arm version (standard)



### Reading head

long arm version (higher tolerances)

## Our Positioning Solution

- Plug and Play
- Easy installation
- Super robust
- Low maintenance
- Suitable for harsh environments
- High accuracy of 1mm
- Magnetic positioning
- System solution with VAHLE U20 conductor system
- Center tab of cable guide for ideal motion performance
- Long-lasting sliding housings



## YOUR VISION – OUR SOLUTION

Ready to get exact positioning for your ride?

Contact our team to get tailor-made solutions for your amusement ride needs.