

The background of the entire page is a deep blue. It features a network of glowing white nodes connected by thin white lines, creating a sense of connectivity and technology. Overlaid on this network are several concentric, glowing white circles and arcs, reminiscent of a speedometer or a stylized orbit. In the upper right, a large, semi-transparent speedometer face is visible, with white tick marks and a needle pointing towards the top. The Siemens logo is positioned in the top left corner, with the word 'SIEMENS' in a bold, white, sans-serif font, and the tagline 'Ingenuity for life' in a smaller, white, script font below it.

SIEMENS

Ingenuity for life

Technology that's on the right track

Classic, stepper motor-controlled tachometers

[siemens.com/mobility](https://www.siemens.com/mobility)

Adaptable technology and reliability based on experience

The tachometers combine extensive operational experience, a close and successful collaboration with customers and the implementation of current technical standards. In its various embodiments, the sophisticated product offers many technical possibilities and has been used on a daily basis in considerable quantities for many years.

Operators of mass transit and mainline trains benefit from the tried-and-tested analogue display of input values based on voltage, current and frequency. The flexibility of the device configuration leaves nothing to be desired: form, dimension, supply voltage and display input signal can be adjusted according to the specific vehicle and needs, as can the scale layout and the unit displayed.

Their use within temperature ranges that are typical for rail operations means it can be used under diverse operating conditions and at a wide range of speeds.

Accuracy and monitoring for a secure performance

Every tachometer model meets the necessary requirements for the display of data that is accurate and that can be monitored. Thanks to the high retention force of the stepper motors used to move the needles, the display of the instantaneous speed remains correct, even when external influences are acting. Furthermore, the high degree of display accuracy without any overshooting of the needles upon the achievement of the speed value or the process end value, or in extreme conditions during rail operation, such as impacts or vibration, is guaranteed.

Speed and operating data displays



AD-Q/AD-QZ

- Size: 96 x 96 mm / 144 x 144 mm
- Analogue display for local and long-distance transport
- Analogue display of voltage, current and frequency values
- Available with different connectors and additional secondary meters and displays
- Optional meters for total input pulses



AD-R/AD-RZ

- Ø 106 mm, Ø 136 mm
- Analogue display for local and long-distance transport
- Analogue display of voltage, current and frequency values
- Available with different connectors and additional secondary meters and displays
- Optional meters for total input pulses



AS-S

- Size: 96 x 96 mm, 144 x 144 mm / Ø 100 mm, Ø 130 mm
- Analogue display for local and long-distance transport
- Display of voltage, current and frequency values
- Available in round or square design
- Optional meters available



TA-FS

- Ø 144 mm
- Display for local transport
- Speed display
- Available with different connectors and additional secondary meters and displays
- Optional: daily or total distance, clock, alarm, on-board voltage



This page contains a product overview for orientation purposes. Please refer to the respective data sheets for more information. Don't hesitate to get in touch.

Published by
Siemens Mobility GmbH
38126 Braunschweig
Germany
[siemens.com/mobility](https://www.siemens.com/mobility)