

E235 series



(By MaedaAkihiko - [CC BY-SA 4.0](#))

Introducing

The E235 series (E235系, E235-kei) (E235系電車 /E235 Keidensha) is a type of self-propelled trainset operated by the East Japan Railway Company (JR East) in Greater Tokyo.

The E235 series was unveiled by JR East in July 2014³ as the replacement for the E231-500 series on the Yamanote line. The first trainset entered commercial service on November 30, 2015, but was withdrawn the following day following various technical problems⁴. After several weeks of additional testing, it returned to commercial service on March 7, 2016. The remaining 49 trainsets will be introduced between 2017 and 2020.

([Wikipedia](#))

Console detail

Apart from the pocket watch and the door-closing indicator in the center of the console, there are 2 displays.



The first display shows in the bottom area:

- Brake level, with emergency brake indicator "□□".
- Brake cylinder pressure (black arrow) and main air reservoir pressure (red arrow). Note that if this falls below the red zone (780kPa), the compressor starts up.
- Speed dial, with limit indicator (green arrow) and the "pattern approach" (□□□□□) indicator.

The upper part contains the electrical voltages and various indicators:

<ul style="list-style-type: none">• Top-left:<ul style="list-style-type: none">◦ 3-phase (□□)◦ Emergency short-circuit (□□□□)◦ Snow resistant brakes (□□□□□)◦ Safety Brakes (□□□□)◦ Cruise control (□□)◦ Parking brakes (□□□□□)◦ Inching in progress (□□□□□□)	<ul style="list-style-type: none">• Top-right :<ul style="list-style-type: none">◦ Digital ATC (□□□□ ATC)◦ ATC◦ Off (□)◦ Pattern reduction (□□□□□)◦ Emergency operation (□□□□)
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<ul style="list-style-type: none">• Bottom-left, first line :<ul style="list-style-type: none">◦ TASC power supply (TASC □□)◦ TASC pattern (TASC □□□)◦ TASC brakes (TASC □□□)◦ TASC off (TASC □)◦ TASC failure (TASC □□)• Second line :<ul style="list-style-type: none">◦ Home position (□□□)◦ Vehicle doors closed (□□□□□)◦ Platform doors closed (□□□□□□)◦ Platform doors linkage (□□□□□□)◦ Platform doors separation (□□□□□□)	<ul style="list-style-type: none">• Bottom-right :<ul style="list-style-type: none">◦ ATC normal (ATC□□)◦ ATC emergency (ATC□□)◦ Train stop operation (□□□□□)◦ ATC power supply (ATC□□)◦ ATC release (ATC□□)
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Consult the [MON/TIMS/INTEROS screen](#) page for more details about the INTEROS screen.

Availability

This model is available on these lines:

- [Yamanote line](#) (E235-0 version)