

# 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 2014<sup>3</sup> 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 The first trainset entered commercial service on November 30, 2015, but was withdrawn the following day following various technical problems<sup>4</sup>. 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"><li>• Top-left:<ul style="list-style-type: none"><li>◦ 3-phase (□□ )</li><li>◦ Emergency short-circuit (□□□□ )</li><li>◦ Snow resistant brakes (□□□□□□ )</li><li>◦ Safety Brakes (□□□□ )</li><li>◦ Cruise control (□□ )</li><li>◦ Parking brakes (□□□□□□ )</li><li>◦ Inching in progress (□□□□□□□□ )</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Top-right :<ul style="list-style-type: none"><li>◦ Digital ATC (□□□□ ATC)</li><li>◦ ATC</li><li>◦ Off (□ )</li><li>◦ Pattern reduction (□□□□□□ )</li><li>◦ Emergency operation (□□□□ )</li></ul></li></ul>
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<ul style="list-style-type: none"><li>• Bottom-left, first line :<ul style="list-style-type: none"><li>◦ TASC power supply (TASC □□ )</li><li>◦ TASC pattern (TASC □□□ )</li><li>◦ TASC brakes (TASC □□□ )</li><li>◦ TASC off (TASC □ )</li><li>◦ TASC failure (TASC □□ )</li></ul></li><li>• Second line :<ul style="list-style-type: none"><li>◦ Home position (□□□ )</li><li>◦ Vehicle doors closed (□□□□□ )</li><li>◦ Platform doors closed (□□□□□□ )</li><li>◦ Platform doors linkage (□□□□□□ )</li><li>◦ Platform doors separation (□□□□□□ )</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Bottom-right :<ul style="list-style-type: none"><li>◦ ATC normal (ATC□□ )</li><li>◦ ATC emergency (ATC□□ )</li><li>◦ Train stop operation (□□□□□□ )</li><li>◦ ATC power supply (ATC□□ )</li><li>◦ ATC release (ATC□□ )</li></ul></li></ul>
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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)