

Instrumentation

Total control and absolute freedom. It might sound contradictory, but the Scania instrumentation gives you both. Thanks to the smooth but rugged touch screen and the intuitive interface, you are always in control. And because of the plug-and-play concept with modular components, you never need to feel limited when customising or expanding the system.

Our top-class systems for engine control and monitoring will deliver all that Scania stands for in terms of reliability and performance. The perfect connection between mind and machine.

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Power at your fingertips.
And complete peace of mind.



The main control display. Shortens the distance from sensors to senses.

The main control display (MCD) is the brain of the system, integrating both engine control and touch-screen control display. Higher resolution and improved colour depth enhance readability and give the operator full overview and control of all vital engine parameters, in every situation. The display has adjustable background lighting and intuitive interface, allowing customised views and maximised user-friendliness. To further facilitate operation during tough conditions, the touch-screen is now also optimised for usage with gloves.

The system can be expanded with extra control displays (ECD) in strategic locations onboard the vessel. The ECDs are IP56-sealed and automatically updated and configured when connected to the control panel/key set.

Compact or infinite installations? Just plug and play.

The Scania instrumentation system grows with your needs in modular plug-and-play fashion. Using standard Ethernet cables, the main control display (MCD) is connected to the extra control displays (ECD), with direct configuration with your laptop and a web browser. Additional customer benefits are improved moisture protection thanks to IP56-sealing, more robust interface through Deutsch DT-connectors, greater configuration flexibility for all I/O functions, and two thermistor channels.

A dependable platform with multiple capabilities.

The main supply box (MSB) provides connection for 4–20 mA throttle as well as a diagnostic interface for connection with SDP3, Scania's diagnostic software. By adding a shutdown unit (SDU), the system is prepared for class approval, enabling your installation to meet class requirements. Being part of the Scania marine solution, the Scania instrumentation is the result of industry-leading quality standards and proven dependability.



Basic installation

Main control display (MCD)

- Capacitive touch screen technology
- Coordinator included
- USB connection
- RS-485 Modbus connectivity

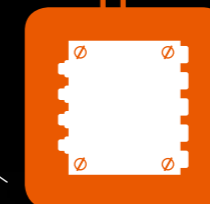
Interface channels:

- 19 flexible configurable channels
- Configurable for digital input, digital output, 4-20 mA input or 0-5 V input
- 2 thermistor input channels
- Dual J1939 interfaces adapted for NMEA 2000 GPS connection and engine communication
- 1 magnetic pickup channel
- Latest 1 GHz dual core CPU for lightning-fast response
- High resolution 5.7" touchscreen suitable for usage with gloves
- Ethernet and Modbus communication

Main supply box (MSB)

- 4–20 mA throttle connection
- Scania diagnostic interface

Engine



Expanded installation

Extra control display (ECD)

- Touch screen
- Ethernet connectivity



Ethernet switch

- For connection of multiple extra control displays



Ethernet cable

- Simple cable installation

Control panel

- Key set
- Fixed speed switches
- Can be connected to any control display in the instrumentation system



Shutdown unit (SDU)

- Required for class approval
- Wire break alarm
- Diesel engine protection
- Short circuit protection
- Ethernet/Modbus connectivity

