

Data Sheet

Engine Information Center Software

PLUS+1®



Mobile Machine Management

The Engine Information Center (EIC) software for PLUS+1® DP200 and DP250 engine interface through J1939 CAN provides run time monitoring fault recording and retrieval.

Product Highlights

Navigate through diagnostic information and configurations screens using front panel soft keys. Choose from more than 50 preconfigured parameter profiles and display up to 4 signals per screen.

User-programmable

EIC application software allow machine specific tailoring, which is accomplished by using Danfoss PC based PLUS+1® GUIDE (Graphic User Integrated Development Environment) tool set. This environment allows the developer to configure Danfoss PLUS+1® display hardware, select application options, integrate the applications with other sub-system applications, and enhance the application with additional features.



Features

Standard

- Multi-lingual Support
- Graphic Image Support for more than 50 icon
- Color or Grey Scale Models with Brightness and Contrast Adjustment
- More than 50 pre-configured parameters
- Configurable Display Screens, Alarms and Warnings Pop-up
- Fault Logging
- Tier III and Tier IV Engine Compatibility
- Tier IV Emissions Implementation

Customizable

- Configure proprietary engine and transmission messages
- Create custom machine service and diagnostic screens

[Comprehensive technical literature online at powersolutions.danfoss.com](http://powersolutions.danfoss.com)

GUIDE Programmable Subsystem Application Service Tool

The PLUS+1[®] GUIDE Service Tool screens provide the ability to monitor and tune the operation of devices on the PLUS+1[®] network. Standard features include: bar graph display, oscilloscope display for trending and tuning, data record, and export feature. All required user modifiable service screens are provided with this product.

PC with Danfoss PLUS+1[®] GUIDE. Gateway supported by Service Tool program. PLUS+1[®] compliant display.



Software Overview of Signal Monitoring

Symbol	Name/Function	Units
	Actual Engine Torque	%
	Engine Air Inlet Temperature	°C, °F
	Engine Coolant Level	%
	Engine Coolant Pressure	psi, bar, Pa x 1000
	Engine Coolant Temperature	°C, °F
	Engine Exhaust Gas Temperature	°C, °F
	Engine Hours	Hours
	Engine Intake Manifold Temperature	°C, °F
	Engine Oil Level	%
	Engine Oil Pressure	psi, bar, Pa x 1000
	Engine Oil Temperature	°C, °F
	Engine Turbocharger Boost Pressure	psi, bar, Pa x 1000

Symbol	Name/Function	Units
	Engine RPM	RPM
	Fuel Level	%
	Wheel-based Vehicle Speed	km/h, mph
	Accelerator Pedal Position	%
	Alternator Current	
	Alternator Voltage	
	Auxiliary Temperature	
	Average Fuel Economy	
	Trip Average Fuel Rate	
	Barometric Pressure	
	Current Gear	
	Distance Remaining	

Symbol	Name/Function	Units
	Engine Air Filter Differential Pressure	psi, bar, Pa x 1000
	Engine Air Inlet Temperature	°C, °F
	Engine Injector Metering Rail 1 Pressure	psi, bar, Pa x 1000
	Engine Injector Metering Rail 2 Pressure	psi, bar, Pa x 1000
	Engine Intercooler Temperature	°C, °F
	Engine Turbocharger Oil Temperature	°C, °F
	Fan Speed	%
	Engine Fuel Delivery Pressure	psi, bar, Pa x 1000
	Fuel Rate	l/h, g/h, ig/h
% Soot	Soot level percent	%
% Ash	Ash level percent	%
	Fuel Remaining	l, gal, igal
	Engine Fuel Temperature 1	°C, °F
	Instantaneous Fuel Economy	1/100km, mpg, impg
	Internal Voltage	Volts
	Net Battery Current	Amps

Symbol	Name/Function	Units
	Selected Gear	F, N, R
	Torque Converter Lock-up Engaged	Engd, Dis
	Total Distance	km, m
	Engine Total Fuel Used	l, gal, igal
	Transmission Input Shaft Speed	RPM
	Transmission Oil Pressure	psi, bar, Pa x 1000
	Transmission Oil Temperature	°C, °F
	Transmission Output Shaft Speed	RPM
	Trip Distance	km, m
	Trip Engine Hours	hrs
	Trip Fuel	l, gal, igal

Screen Views

Type 1



Type 2



Type 3



Screen View	Description
Type 1	Two-up screen view with two signal capacity.
Type 2	Three-up screen view with one large and two small signal capacity.
Type 3	Four-up screen view with four small signal capacity.

Minimum Requirements

Related product
Danfoss PLUS+1 [®] application hardware microcontroller with 256K internal flash memory (Key #10106603)
PC with Danfoss GUIDE program, version 4.1 or later
Gateway supported by the PLUS+1 [®] Service Tool

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