

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

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

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**GUIDE Programmable Subsystem Application Service Tool**

The PLUS+1<sup>®</sup> GUIDE Service Tool screens provide the ability to monitor and tune the operation of devices on the PLUS+1<sup>®</sup> 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<sup>®</sup> GUIDE. Gateway supported by Service Tool program. PLUS+1<sup>®</sup> 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 <sup>®</sup> 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 <sup>®</sup> Service Tool