DEUTZ Electronic Display (DED)

The Multifunctional Control Platform for Eletronic Systems

The engine company.

Modern off-road engines with exhaust gas after treatment systems (EAT) are controlled and governed by an engine control unit (ECU). At the same time the legislator regulates that each device must allow the user an access to the relevant information about the operating condition of the EAT, a so-called „Human Machine Interface" (HMI).

At this point the DEUTZ Electronic Display (DED) offers a comfortable and cost effective solution especially for safe operation in rough industrial applications.

„Plug & Play" – Simple Installation

As for the equipment manufacturer (OEM) the DED automatically adjusts itself to the engine individual EAT system, because the required parameters are already included in the DED. Thus the setup of the DED is quick and simple for the OEM.

Always up to date

For the operator the necessary indications such as status or error messages are pictured in a well-arranged formation on a scratch-resistant screen. In this way the operator can adjust the device to the appropriate status and for example delay a DPF regeneration as occasions may demand.

For an optimum adjustment to the needs of the operators the display layout can be customised individually. Thus allowing language selection and display in metric or inch values.

DED Basic Features

Rigid displays for professional application under industrial conditions (IP67):

- sturdy ABS plastic case and scratch-resistant display

- operation temperature -30°C to + 70°C

- automatic display for installed EAT systems

- background illumination adjustable plus illuminated buttons

DED 4 Compact

Developed for the special legal requirements to the EAT of small size engines.
DED4 Compact meets the requirements of equipment with low power output and stationary applications.

- diesel fuel level (analog input)

- optical alarm signal (flashing)

- language selection (4 languages)

DED 4 Classic

Meets legal requirements to the AGS of large size engines.

- output of ECU error memory

- audible alarm signal

- written error codes (6 languages)

- CAN bus monitoring without additional tool (checkup in the machine system)

- integrated DPF test mode (end of line)

- configurable service interval

		DED 4 Classic	DED 4 Compact
Hardware	Micro controller	Siemens 164, 16 bit/ 20Mhz	ARM Cortex M3 STM32F103RC
	FLASH memory	512Kb	256Kb
	RAM	128Kb	47Kb
Electrical Specifications	Display	3.8"	2.3"
	Resolution	160 x 128 pixel	128 x 64 pixel
	Power requirements	10 - 32 V DC	9 - 32 V DC
		(reverse polarity procted)	
	Power consumption	40mA - 160mA at 12V DC	100mA - 500mA at 12V DC
	Alarm	integrated alarm sound (4kHz)	integrated warning light
	Connector	integrated 12 way connector	integrated 6 way connector
	Communications	CAN 2.0B controller acc. to DIN J1939	
Specifications	Operating temperature	-30°C to + 70°C	
	Storage temperature	-40°C to + 80°C	
	Degree of protection	IP 67	
	Saltspray	IEC 60068-2-52: 1996	
	EMC to	IEC 61000, EN55022	
	Case material	black ABS plastics	
	Dimensions (W x H x D)	110 x 110 x 38.5 mm	76 x 76 x 55 mm
	Weight	250 g	180 g

The engine company. DEUTZ®