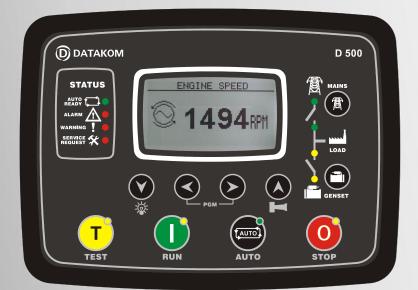
TECHNOLOGY IS NOW FOR EVERYONE



THE NEW WEB BASED D-500

The D-500 is an advanced genset controller capable of every possible communication and functionality.

COMMUNICATIONS

Ethernet port (10/100Mb) **GSM-GPRS** Internal GPRS modem (optional) Embedded web server Web monitoring Web programming **Central Monitoring through internet** SMS message sending E-mail sending Free PC software: Rainbow Plus Free Central Monitoring (100 genset) Modbus RTU through RS-485 Modbus TCP/IP **SNMP USB Host (optional) USB** Device RS-485 port, adjustable baud rate RS-232 (optional) Micro SD card slot (optional) J1939-CANBUS

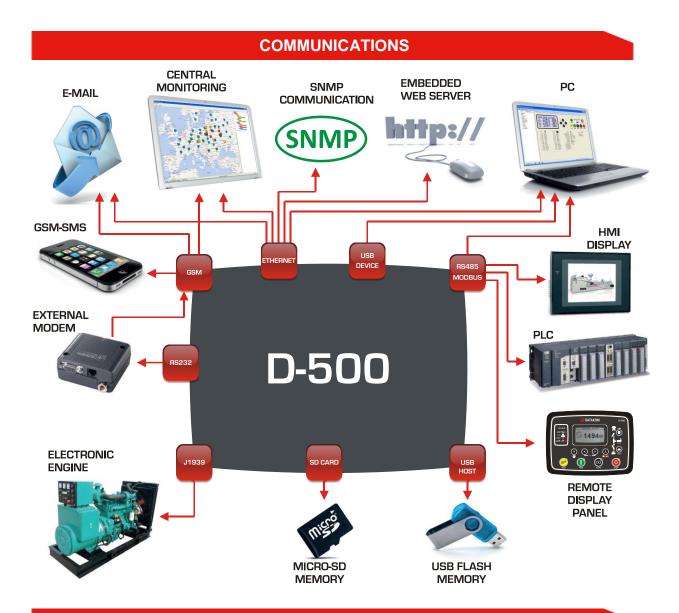
FUNCTIONALITIES

AMF unit with uninterrupted transfer ATS unit with uninterrupted transfer Remote start controller Manual start controller Engine controller Remote display & control unit 400 Hz enabled Waveform display of V & I Harmonic analysisof V & I CTs at genset or load side Long term recording on flash card

TOPOLOGIES

2 phases 3 wires, L1-L2 2 phases 3 wires, L1-L3 3 phases 3 wires, 2 CTs 3 phases 3 wires, 2 CTs (L1-L2) 3 phases 3 wires, 2 CTs (L1-L3) 3 phases 4 wires, star 3 phases 4 wires, delta 1 phase 2 wires





TECHNICAL SPECIFICATIONS

Alternator voltage: 0 to 300 V-AC (Ph-N) Alternator frequency: 0-600 Hz. Mains voltage: 0 to 300 V-AC (Ph-N) Mains frequency: 0-600 Hz. Topology: 1-2-3 phases, with or without neutral DC Supply Range: 8.0 to 36.0 V-DC. V-A-cos Accuracy: 0.5% + 1 digit kW-kVA-kVAr Accuracy: 1.0% + 1 digit Current consumption: 500 mA-DC max. Current Inputs: from current transformers. ../5A. Digital inputs: input voltage 0 to 36 V-DC. Analog input range: 0-5000 ohms. Mains and genset contactor outputs: 16Amps@250V DC Outputs: Protected mosfet semiconductor outputs, rated 1Amp@28V-DC Cranking dropouts: survives 0V for 100ms. Magnetic pickup voltage: 0.5 to 50Vpk. Magnetic pickup frequency: 0 to 20000 Hz. Charge Alternator Excitation: 2W. Ethernet Port: 10/100 Mbits USB Device: USB 2.0 Full speed USB Host: USB 2.0 Full speed RS-485 Port: selectable baud rate RS-232 Port: selectable baud rate

Operating temperature: -20°C to 70°C (-4 to +158 °F) **Storage temperature:** -40°C to 80°C (-40 to +176°F) **Maximum humidity:** 95% non-condensing. **IP Protection:** IP54 from front panel, IP30 from the rear. **Dimensions:** 200 x 148 x 46mm (WxHxD)

Panel Cut-out Dimensions: 176 x 121 mm minimum. Weight: 450 g (approx.)

Case Material: High Temperature, non-flammable ABS/PC

Mounting: Front panel mounted with rear retaining plastic brackets.

EU Directives Conformity

-2006/95/EC (low voltage) -2004/108/EC (electro-magnetic compatibility) Norms of reference: EN 61010 (safety requirements)

EN 61326 (EMC requirements)

UL Compatibility: UL 508 - Industrial Control Equipment

CSA Compatibility:

CAN/CSA C22.2 No. 14-2005 – Industrial Control Equipment

WEB SERVER

ib Scada SW	12.1				
WE	B Scad	a	(1)		
Measures	ents Cour				Parameters
104	INS	GE	NSET	EN	INE
Ll Volt	231 V	L1 Volt		Speed	1500 Rpm
L2 Volt	224 V	L2 Volt	224 V	Run Hours	1352.5h
L3 Volt	222 V	L3 Volt	223 V	Fuel Level	51.9
L12 Volt	393 V	L12 Volt	394 V		156 °F
L23 Volt	389 V	L23 Volt	391 V	Engine Tem	p 69°C
	390 V	L31 Volt			°F
				Canopy Tem	p*c
L2 Amps		L2 Amps			52.2 Psi
L3 Amos	0 A	L3 Amps	0 A	Oil Press	3.6Bar
Tot kW	0 kW	Tot kW	0.1496		156 °F
Tot kVAr	0 kVAr	Tot kVAr	0 kVAr	Oil Temp	69 °C
	0 kVA				
	0.00 ind				13.8 Vdc
	50.0Hz	Frequency			

Parameters Access Level: 2							
Electrical Parameters							
Current XFNR Primary 500 Set	^						
Voltage XFMR Ratio [] 1.0 Set							
Nominal Voltage [V] 230.0 Set							
Nominal Frequency 50.0 Set							
Nominal Voltage 2 [V] 120.0 Set							
Nominal Frequency 2 60.0 Set							
Mains Voltage Low [%] -20.0 Set							
Mains Voltage High 20.0 Set							

Digital Monitoring

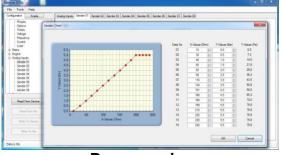
Event Log Display

Web Programming

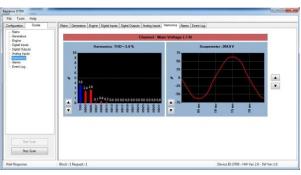
RAINBOW PLUS PROGRAM



Scada



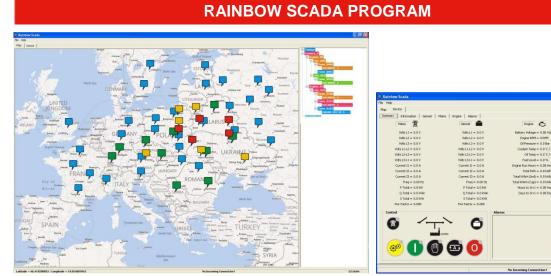
Programming



Waveform display & Harmonic analysis

Connection interfaces:

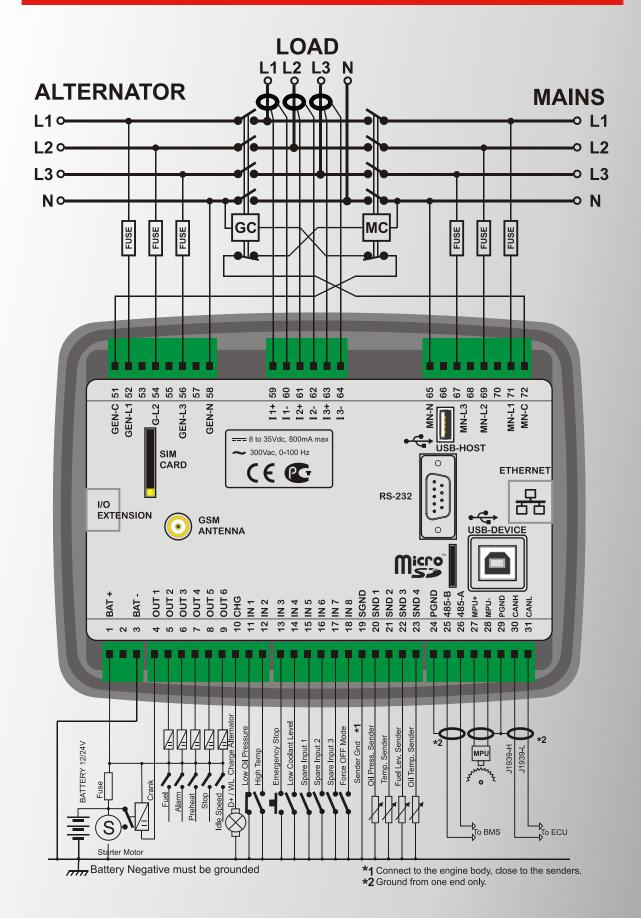
- -USB
- -IP (ethernet or GPRS)
- -Serial port



Complete Fleet Display on Map

Monitoring & Control Screen

TYPICAL CONNECTIONS





DATAKOM Electronics Limited Tel: + 90-216 466 84 60 Fax: + 90-216 364 65 65 e-mail: datakom@datakom.com.tr http://www.datakom.com.tr