

D-MONITOR

Touch screen panel

- Touch screen panel connectable to the DST4602 and DST4602 *Evolution*.
- LCD colour display TFT, available in 2 versions:
 - 12.1"
 - 15.6"
 - Additional dimensions on demand
- Easy and user-friendly surfing in order to offer an immediate data reading.
- Possibility of customization based on the type of the plant.
- Complete control of the system that makes available commands, status, measures, diagrams and trends.
- Immediate and captivating graphic interface that allows:
 - The visualization of the genset or CHP measures;
 - The reading of the thermic module (thermometric sensors, thermoregulators, solenoid valves, ...);
 - The reading of some carburation and injection systems (on demand)
- UL and CE Certifications for Safety, Immunity and Emission
- Possibility of remote control also for technical support.

General information

D-Monitor is a touch screen and colour LCD panel able to grant an immediate graphic visualization of measures, status, alarms, referred both to the genset and to the thermic module, in case of cogeneration plants.

The wide display (800x600 Pixel resolution) can be combined to the DST4602 and DST4602^{Evolution} controller, with the possibility of choosing whether to use the controller display or not. In this way, it is possible to have a configuration that considers the only use of the DST4602 SCM Box combined to the D-Monitor, or the use of the DST4602 with its display, in order to connect it to the D-Monitor. It's clarified that the controller programming is not allowed by means D-MONITOR. It's necessary to connect the laptop to the controller for changing or set up the parameters.

The connection between DST4602/DST4602^{Evolution} controller and D-Monitor is made through a serial Modbus RS232 / RS485 MODBUS RTU cable or through Ethernet cable TCP/IP.

Thanks to some additional devices, it's possible to remotely access to D-Monitor for the support and visualize the information from an external PC.

In addition to the measures managed by the controller (voltages, currents, powers, energies, contactors and genset status), D-Monitor has been particularly designed for cogeneration plants, where there's the need of graphically display several measures, as PT100, thermocouples, thermoregulators and solenoid valves. Surfing through its pages, all readings are available in a graphic and immediate way.

On demand, D-Monitor offers the possibility to visualize and change some set points concerning the engine carburation and injection system. In this way, there's just one user-friendly interface able to adjust and manage different elements concerning the plant, from the genset to its auxiliaries peripherals.

Technical data

Display: TFT Colour LCD.

Display dimensions: 12.1" - 15.6".

Back-up data: SRAM 320 KB (replaceable lithium battery for the back-up data).

Touch panel: Resistive Film (analogue).

Serial port (COM1): RS-232C.

Serial port (COM2): RS-422/485.

Ethernet (LAN).

USB (TYPE-A).

SD/SDHC Card: card slot V. 2. 0.

Input voltage: 24VDC.

Input voltage limit: 18-36 VDC with 3 poles connector.

Operating temperature: 0° +55 °C (+32 +131 °F).

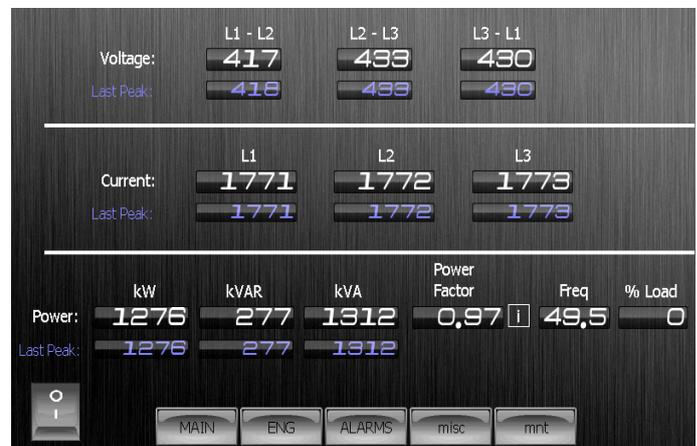
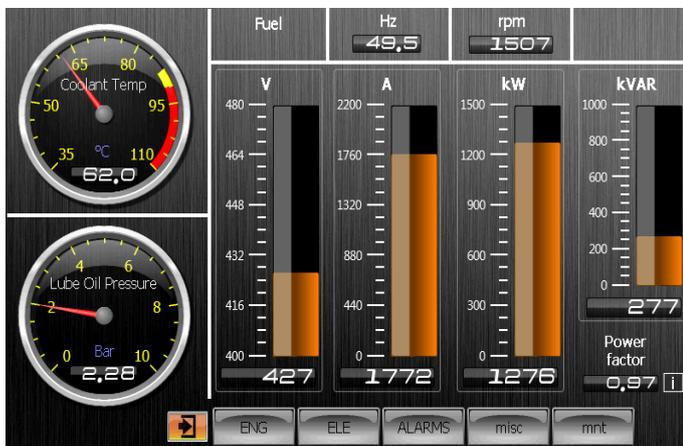
Storage temperature: -20 +60 °C (-4 +140 °F).

Humidity: 80% (non-condensing)

Protection degree: IP66.

Certifications: UL-508, EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1.

Weight: 2.1 kg - 3.3 kg.





Alarm Warming

Ore Gruppo ON 41

P Olio VDO	Liv Gasometro	P H2O motore
T Olio	Port. Gas	T Ing H2O motore
T Locale Gruppo	Batteria	T Out H2O motore

AUTO GCB Aperto 10

MOTORTECH CARBURATION EmCon3 "Measures SetPoint"

Mixer Feedback [%]

Engine Power [%]

MAP [mbar]

MAT [°C]

Start Position 1 %

Start Position 2 %

Run Position 1 %

Run Position 2 %

MAP1 Power %

MAP2 Power %

MAP3 Power %

MAP4 Power %

MAP5 Power %

MAP1 mbar

MAP2 mbar

MAP3 mbar

MAP4 mbar

MAP5 mbar

AFR Gain %

Mixer Position %

Low Power position 1 %

Low Power position 2 %

Alimentazione Modulo

MIXER MODE

1 = Auto

0 = Man

GENERATOR

	Volts	Volts	Amps	KW	kvar	kVA	P.F.	Cos (φ)
L1-L2	394	227	410,9	62,83	69,28	93,54	0,67	0,68
L2-L3	394	227	397,8	61,86	66,05	90,50	0,68	
L3-L1	394	227	398,3	62,90	65,87	90,72	0,68	
			1166,98	201,19	274,76		0,68	

Fren Hz = 50,01

MOTORTECH IGNITION MIC3 "Overview"

Speed RPM

Spark Duration mA

Spark Intensity μs

Base Timing

Timing

Global Timing Point BTDC

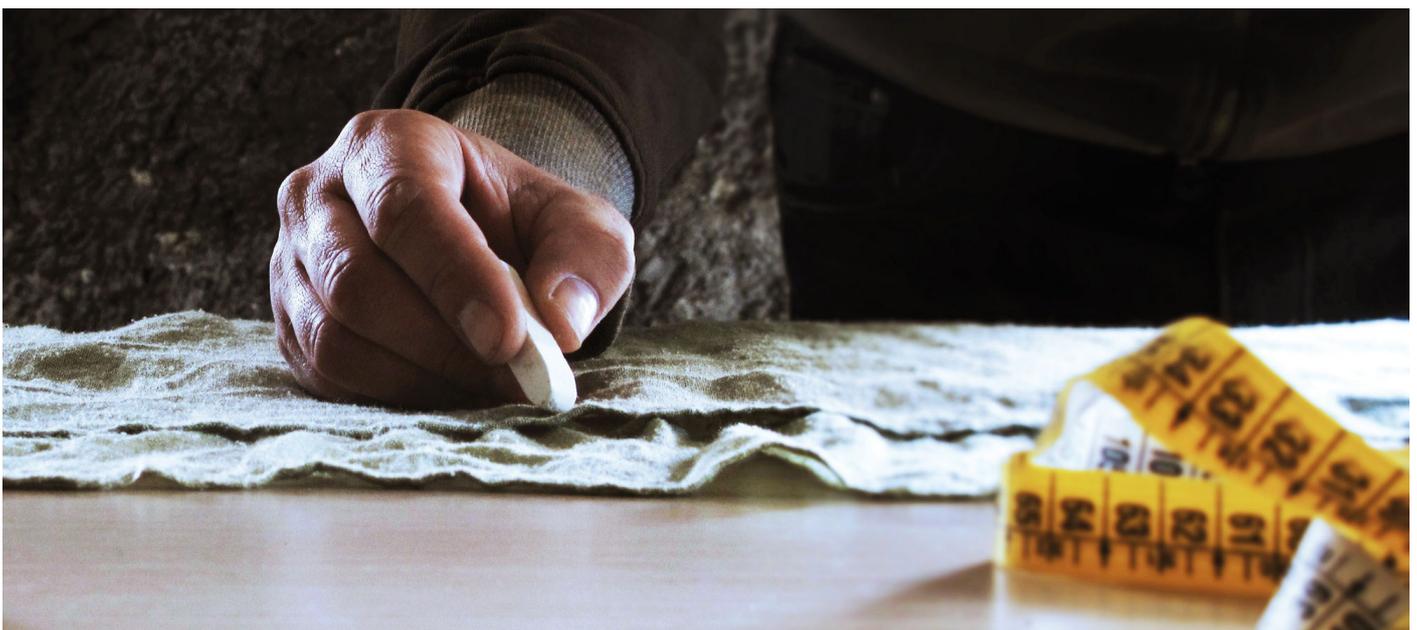
Base Timing BTDC

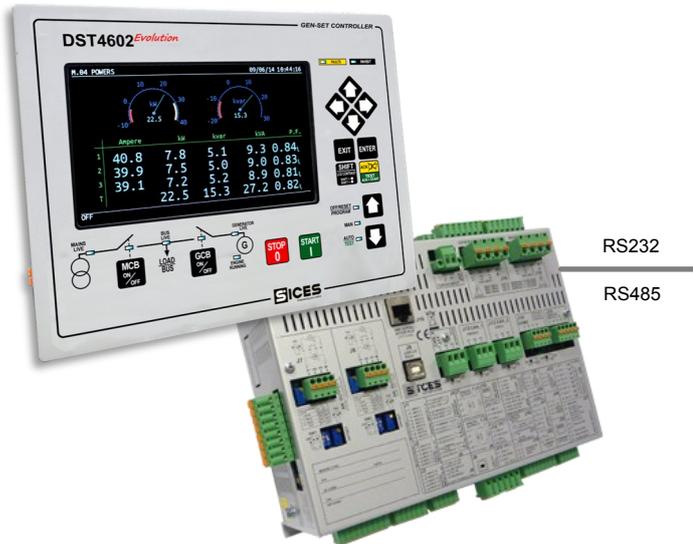
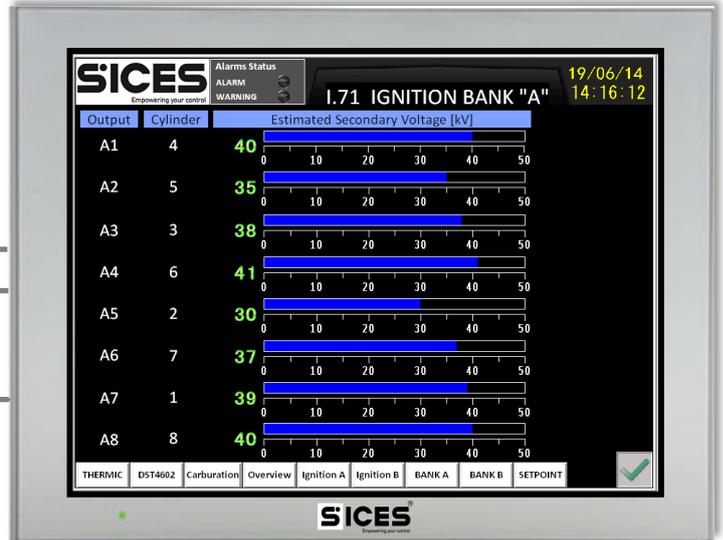
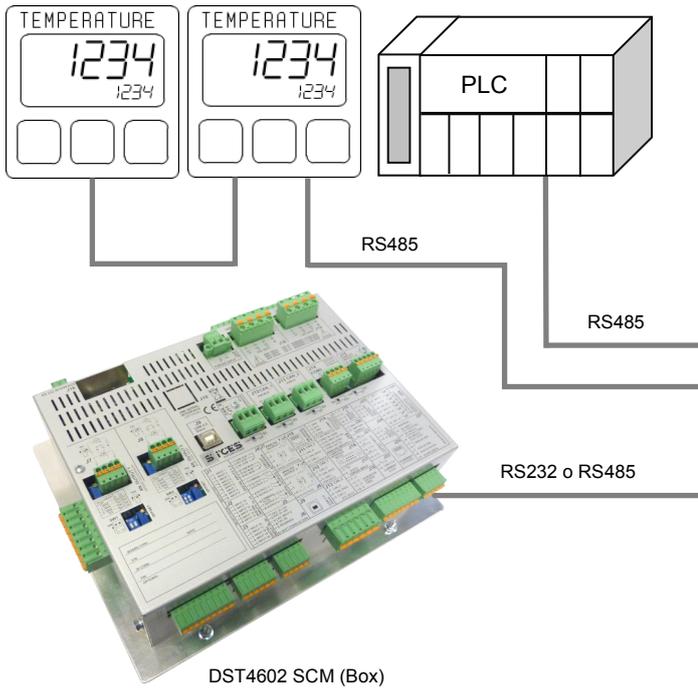
As standard, D-MONITOR offers the possibility to display the following features already included in the DST4602/DST4602^{Evolution}:
In detail:

- **Status** of the genset and of the mains
- **Measures:**
 - Generator and Mains Voltages
 - Generator Currents
 - Generator and Mains Frequency
 - Battery Voltage
 - Oil pressure/temperature
 - Coolant temperature
 - Fuel level
 - RPM
 - KW
 - KVAR
 - kVA
 - Power factor
 - Energy meters
- **Data logger reports**
- **Simplified diagram of the plant based on DTS4602/DST4602^{Evolution} configuration**
- **Warning and Alarms included in the DTS4602/DST4602^{Evolution} by means the I/O of the controller + some additional expansion modules:**
 - N. 3 DITEL IN with a max of 48 additional digital Input
 - N. 3 DITEL OUT with a max of 24 additional digital Output
 - N. 3 DIIVIT with a max of 12 additional analogue V and A Input
 - N. 6 DITHERM / DIGRIN with a max of 18 additional analogue Input for temperatures readings
 - N. 3 DANOUT with a max of 9 additional analogue Output

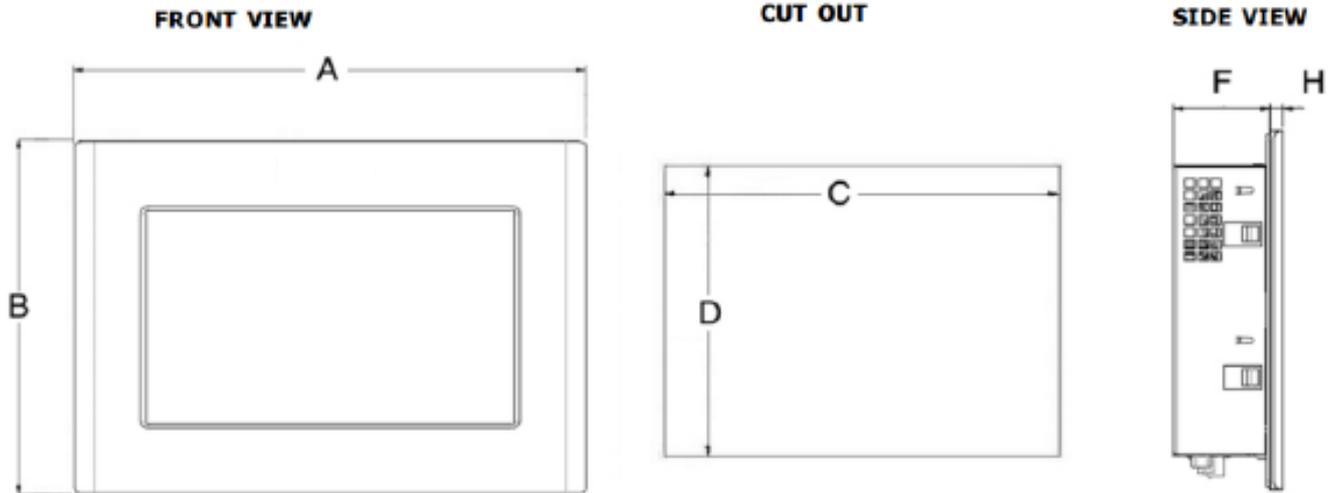
D-MONITOR as Tailor Made product based on your plant

Additional customized pages are available on demand based on the Customer's need.





Dimensions & Drilling



LCD TFT	A	B	C	D	H	F	Weight
12.1"	325 mm	260 mm	313 mm	249 mm	5 mm	48,5 mm	2,1
15.6"	420 mm	265 mm	410 mm	255 mm	6 mm	48,5 mm	3,3



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