

# DIVIT

## Modules for additional analogue I/O



**DIVIT** is an electronic module capable of extending the number of analogue inputs for controllers.

DIVIT allows measuring voltage and current signals 0...0.5V - 0...10V and 0...10mA - 0...20mA current loop using four different galvanically isolated channels and power lines.

DIVIT module is used for acquiring 4 different measures by using the proper parameter set point. The value of the measured magnitude is directly transmitted. The format of data has an absolute and dynamic range comprised from -237 and +1735 with a selectable decimal point position. For each channel one descriptive alphanumeric string can be set on the controller and also define the unit of measurement of the value acquired by the sensor. Both active and passive sensors can be used.

DIVIT's communication lines are galvanically isolated. An additional RS232 (not insulated) is available by means of a jack connector for setting up the device. DIVIT is connected to Mecc Alte controllers (DST4602, GC315, GC400, MC400, GC600, MC200, HS315) via Canbus, using EX-BUS protocol. DIVIT module has an output connector for controlling the optional device DITEL module (8 additional output) either 12V or 24V.

The DIVIT module also allows controlling 8 dry outputs/relays which are activated through thresholds and conditions set as parameters through the RS232 serial port and Mecc Alte Smartech BoardPrg4. The device is mounted using a DIN guide.

### ENVIRONMENTAL CONDITIONS

Operating temperature	-20°C +60°C
Humidity	From 30 to 90 % (condensate free)
Temperature warehousing	-20°C +70°C
Protection degree	IP 20

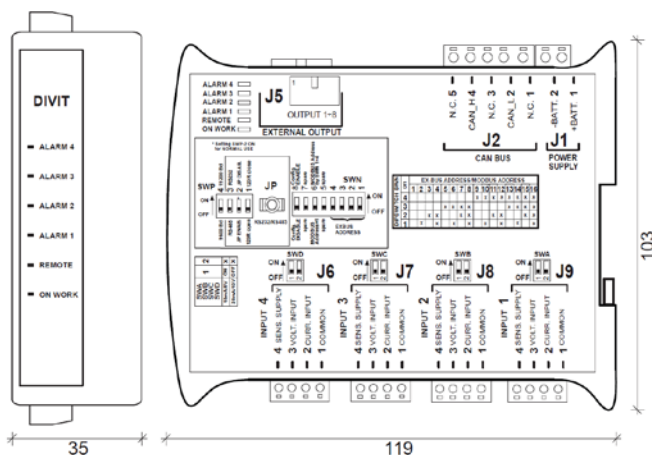
### READINGS

Precision	0.05%
Linearity	0.05%
Thermal drift	0.01% K
Response time (CAN signal)	400 ms
Digital acquisition resolution	15 bit
Reading resolution	1/32

Reading dynamics transmitted From -273 to +1735 units with one decimal figure; position of decimal point can be set

### TECHNICAL FEATURES

Input Voltage	7÷32Vcc
Current absorbed	100 mA (a 13V)
Consumption	Max 2,4 W
Insulation of Input reading channels	1000 V
Live inputs	Monopole - Two Scales 0...5V and 0...10V - Input impedance < 1Mohm
Current Inputs	Monopole - Two Scales 0...10mA and 0...20mA - Input impedance < 10ohm
Max. Input Voltage	25V
Max. Input Current	30mA



### DIMENSIONS AND WEIGHT

Height	103mm
Length	35mm
Depth	119mm
Weight	165g

If required, available tropicalized version for hazardous areas.