

<b>Equipment</b>	<b>Field batch controller</b>		
<b>Model</b>	<b>EQUALIS S remote version</b>		
<b>Internal design</b>			
Data storage capacity	60 000 transactions		
Flash memory	3x Serial Flash Macronix MX25L6436E, typical 100.000 erase/program cycles, 20 years data retention		
Clock type	80MHz crystal oscillator with regulated supply		
<b>Databus communications</b>			
Communication port 1	RS485, Ethernet (option) - MODBUS RTU Communication with supervisory system or measuring instruments		
Communication port 2	RS485, RS232 (option) - Printer communication		
Communication port 3	USB port, data extraction and software up-date		
<b>Inputs / Outputs</b>			
Meter inputs	1 / 2 (option) channel(s) dual-pulse with flow direction -Intrinsic safety or NAMUR		
Temperature inputs	1 / 2 (option) channel(s) Pt100 4-wires		
Current inputs	1 / 2 (option) channel(s) - temperature or pressure measurement Only for local display – Unusable for metrological calculations		
Digital inputs	15 channels intrinsic safety - 2 channels NAMUR for grounding system, arm position, overfilling system, additive volume, vapour recovery, emergency stop		
Digital outputs	10 / 20 (option) electromechanical relays (250V, 10A) for valve & pumps commands, alarm, additive injection control		
Pulses output	1 channel for seal parcel delivery & additive injection control		
Current output	1 channel for flow rate, density, temperature, control valve (in preparation)		
<b>Power</b>			
Power supply	100 to 240 VAC, 50 to 60 Hz, 6.5 VA (depot version) 19 to 36 VDC, 6.25W (truck version)		
<b>Physical</b>			
<b>User interface enclosure</b>			
Functionalities	Display, meters inputs, Pt100 inputs		
Display	Graphic screen, LCD, 240 x 128 pixels, backlight		
Keyboard	20 anti-vandalism keys with pre-programmed functions 2 / 3 (option) pushbuttons for start/stop cycle		
Material	Aluminum base with Acrylic-Epoxy coating – RAL 5010		
ATEX	II 1 G Ex ia IIB T4 Ga (LCIE 06 ATEX 6061 X)		
Dimensions and weight	See enclosed drawing		
<b>Controller enclosure</b>			
Functionalities	Power supply, data bus, current inputs, digital inputs, digital outputs, current output		
Material	Aluminum base with Acrylic-Epoxy coating – RAL 5010		
ATEX	II 1 G Ex d [ia Ga] ia IIB T4 Gb Ga (LCIE13 ATEX 3077X)		
Dimensions and weight	See enclosed drawing		
<b>Environmental</b>			
Ambient temperature	min / max	-25°C, -40°C (option) / +55°C	-13°F, -40°F (option) / +131°F
Storage temperature	min / max	-40°C / +80°C	-40°F / +176°F
Relative humidity	min / max	5 % / 95 % (non-condensing)	
Protection	IP66		
<b>Certification</b>			
European metrology	CE /MID evaluation certificate n°LNE-25874		
International metrology	OIML R117-1, type compliance certificate n°LNE-24351		
Standards compliance	API, GOST, NATO, ONML - See note 1		

Note 1: Contact us for further information about standards compliance.

**SATAM sas****Headquarters & Sales Department**

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**Manufacturing facility**

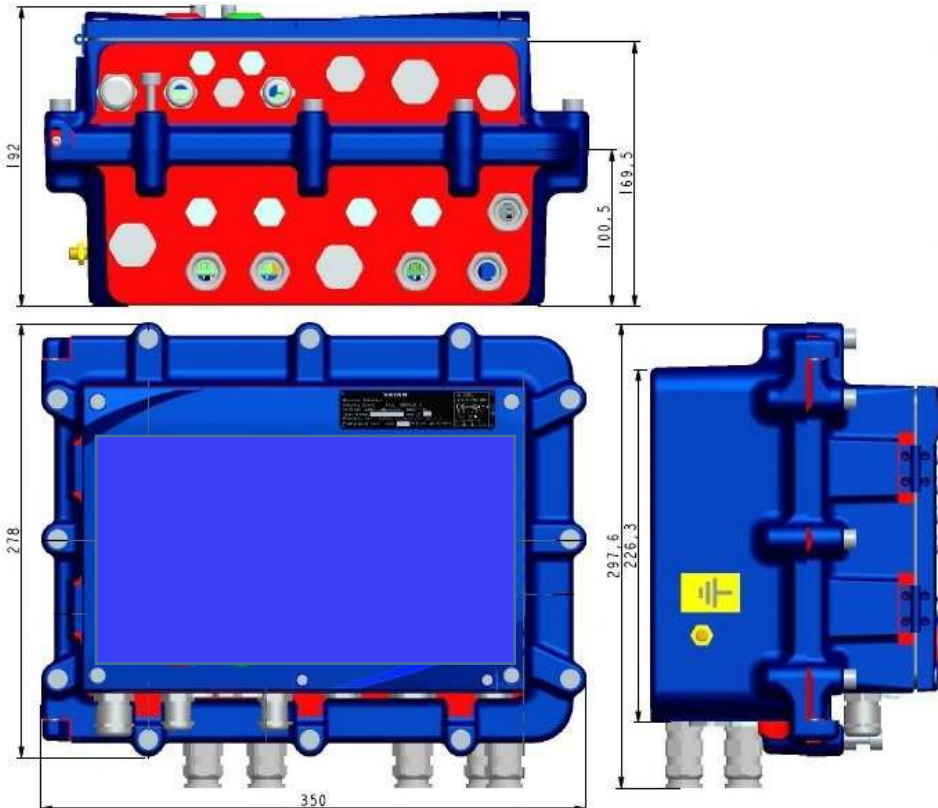
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## Dimensions and weight

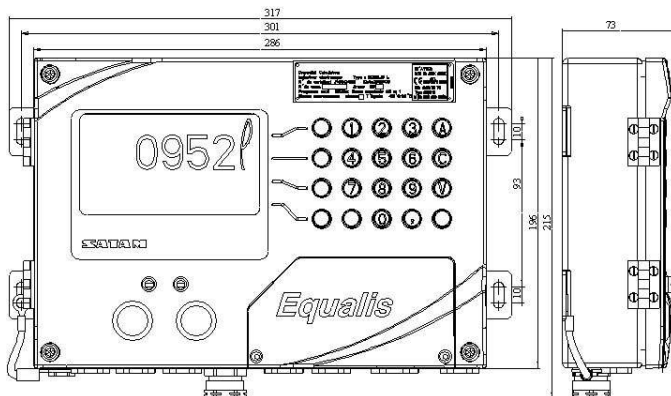
### 1-Controller enclosure

Weight : 16 kg



### 2-User interface enclosure

Weight : 5kg



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