

Equipment	Field batch controller		
Model	EQUALIS S compact version		
Internal design			
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		
Databus communications			
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		
Inputs / Outputs			
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)		
Power			
Power supply	100 to 240 VAC, 50 to 60 Hz, 6,5 VA (depot version) 19 to 36 VDC, 6,25W (truck version)		
Physical			
User interface			
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		
Controller			
Functionalities	Power supply, data bus, current inputs, digital inputs, digital outputs, current output		
Enclosure configuration			
Material	Aluminum base with Acrylic-Epoxy coating - RAL5010		
Dimensions and weight	See enclosed drawing		
Environmental			
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		
Certification			
ATEX	II 1 G Ex d [ia Ga] ia IIB T4 Gb Ga (LCIE13 ATEX 3077X)		
IEC Ex	Ex d [ia Ga] ia IIB T4 Gb Ga (IECEx LCIE 13.0049 X)		
European metrology	CE /MID evaluation certificate n°LNE-25874		
OIML R117	type compliance certificate n°LNE-24351		
National Weights and Measures approvals	Algeria, China, Russia, Serbia. – See note 1		
Standards compliance	API, GOST, NATO, ONML - See note 2		

Note 1: National Weights and Measures approvals available for other countries, contact us for further information.

Note 2: Contact us for further information about standards compliance.

SATAM sas**Headquarters & Sales Department**

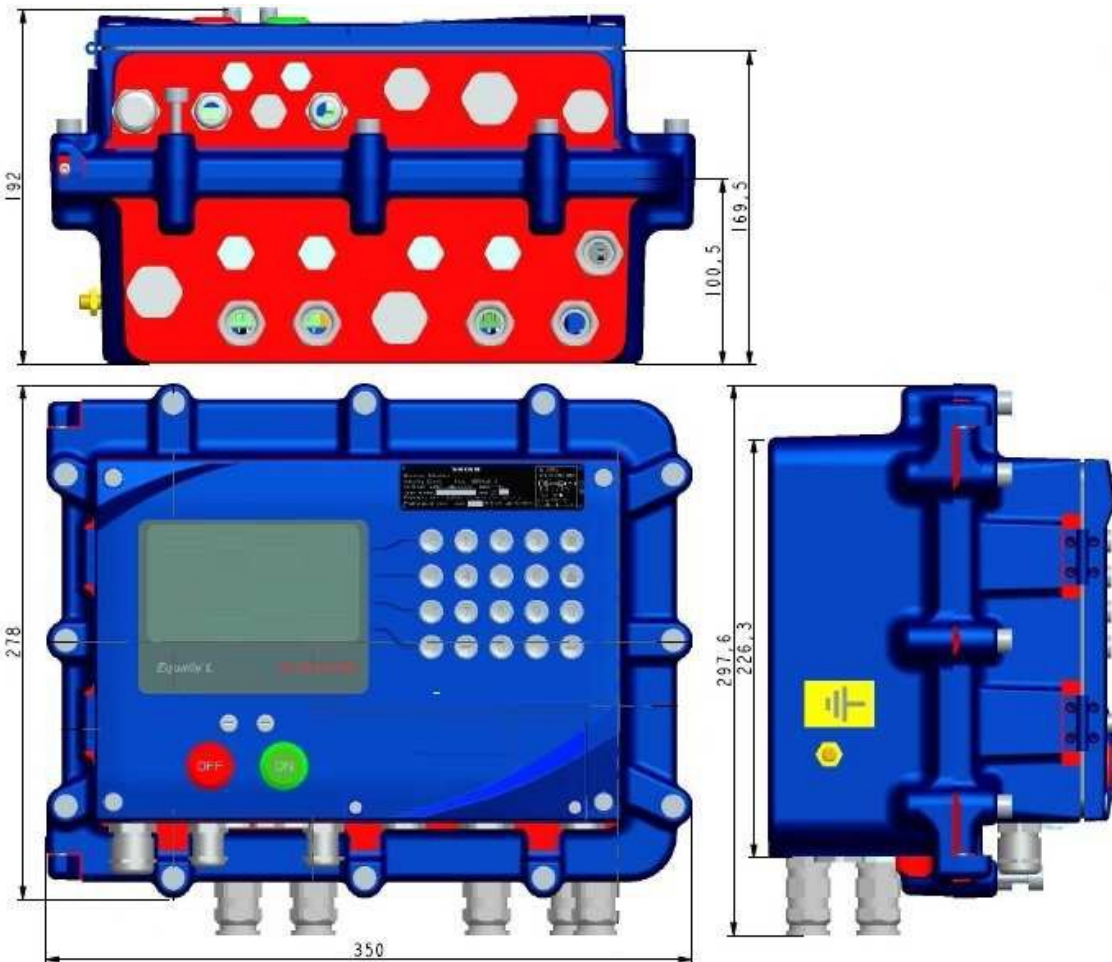
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Dimensions and weight



Weight : 16 kg

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