

DOCUMENTATION



ULCOS is a real concentrate of technology, mixing performance and versatility. It is able to meet your high level expectation, for technical tender specifications.

Its affordable price allows you to meet your budget target.

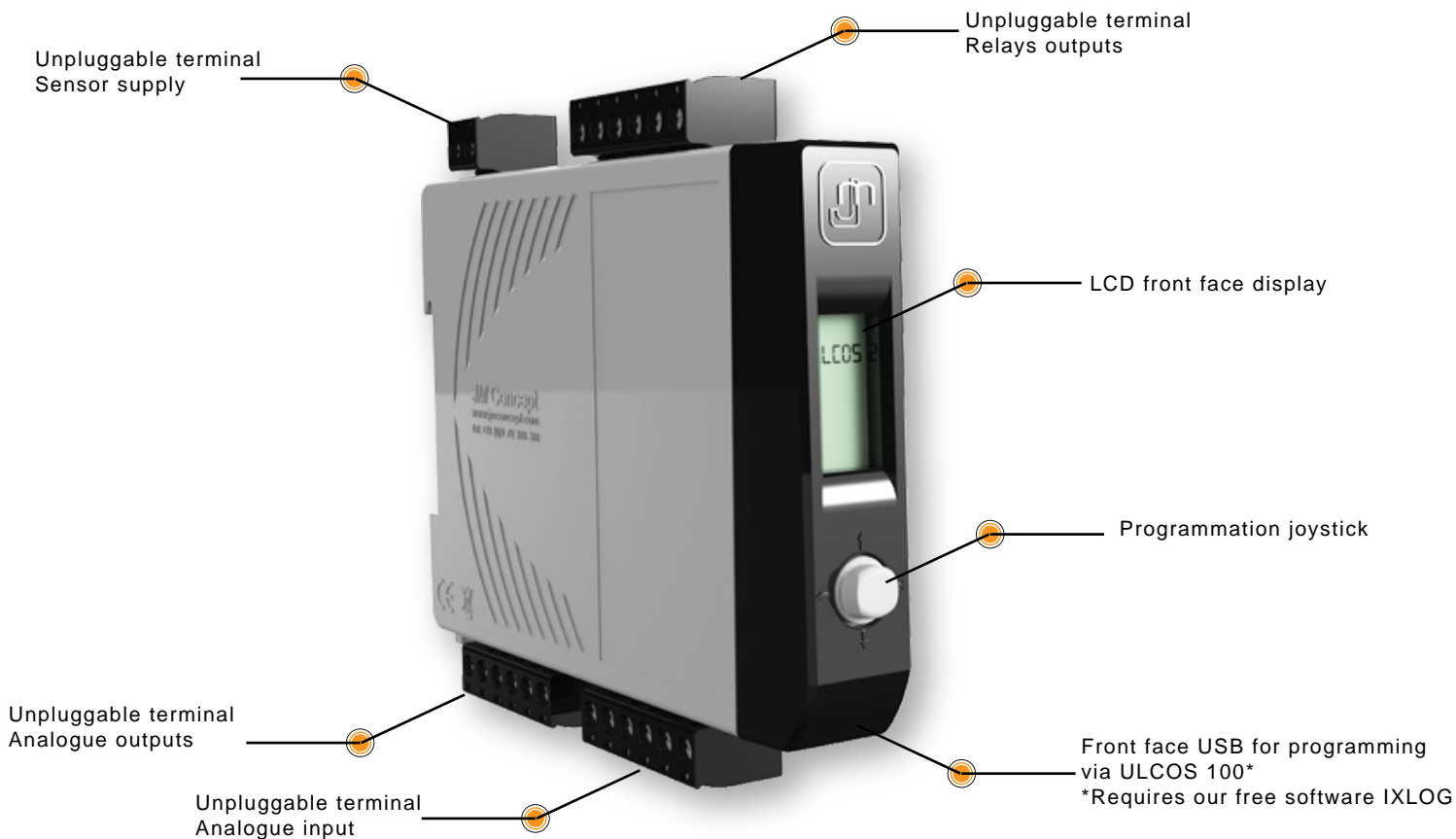
10 years warranty, **ULCOS** is a reliable and long term solution for all your measures conversion applications and signal insulation.

JM Concept 18, chemin des Tard-Venus - BP 37 - 69530 - Brignais - France
Tel : 33 (0) 4 72 318 318 - Fax : 33 (0) 4 72 318 311



	INPUTS		OUTPUTS		
	AC Current	AC Voltage	1 analog output	2 analog outputs	2 relays outputs
ULCOS 620I0	✓				✓
ULCOS 600I1	✓		✓		
ULCOS 620I2	✓			✓	✓
ULCOS 620V0		✓			✓
ULCOS 600V1		✓	✓		
ULCOS 620V2		✓		✓	✓

VIEW





INPUTS

CURRENT (Ac)	Available scale : 1A / 5A Settable scale : From 0 to 6,5A
VOLTAGE (Ac)	Available scale : 0/10V; 0/50V; 0/120V; 0/250V; 0/500V Settable scale : from 0 to 1000V
External TI	Value: 1 / 9999 or 5 / 9999 KA
External TP	Value: 1 / 9999 KV

OUTPUTS

CURRENT	Available scale : 0/20mA ; 4/20mA Settable scale : From 0mA to 22mA Possible affectation I or F (ULCOS 600 I) Possible affectation V or F (ULCOS 600 V)
VOLTAGE	Available scale : 0/10V Settable scale : from 0 to 11V Possible affectation I or F (ULCOS 600 I) Possible affectation V or F (ULCOS 600 V)
RELAIS	1 RT – 500mA / 250V Possible affectation I or F (ULCOS 600 I) Possible affectation V or F (ULCOS 600 V)

FUNCTIONS 1/2

DISPLAY TYPE	Green LCD no backlight
DISPLAY	Input in real value or programmed value Outputs in programmed value or percentage Relays state
OUTPUT SCALE FACTOR	Allows providing a magnifying effect on output iand display
PROGRAMMATION	Programmation on front face with joystick 5 positions and USB via ulcos 100 and IXLOG software
MINI / MAXI MEMORY	Memorization possibility of last measured value in case of sensor brake



SIMULATION	Simulation function allows action concerning analogue output, relays and display separately from input and without disconnecting input or outputs
OUTPUT LIMITS	Allows outputs limitation values – High and low limits
T HRESHOLD	Simple mode or band-mode with positive or negative safety. Threshold, hysteresis and temporization adjustment (separately from rise or fall). Direct access to thresholds setting. Alarm memorizing and alarm deleting
ALARMS RESET	Separately on each alarm
ALARMS MEMORIZATION	Separately on each alarm
OTHER FUNCTIONS	Cut Off - Filtering - Joystick locking - Frequency choice 50 hz / 400 hz Contrast display setting

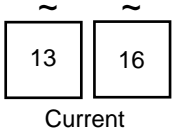
TECHNICAL CHARACTERISTICS

<p>INPUT IMPEDANCE</p> <p>Current input ULCOS 600 I on CT Voltage input ULCOS 600 V 10MΩ Overload 10 In during 0.5s - 2 In permanent</p>	<p>RESPONSE TIME < 200ms</p>
<p>FREQUENCE From 45 to 65 Hz From 350 to 450 Hz</p>	<p>RMS True to level 11</p>
<p>OUTPUT IMPEDANCE</p> <p>Current output < 700Ω Voltage input > 2kΩ</p>	<p>ISOLATION</p> <p>Supply / Input 2500Vac, 50hz, 1mn Input / Analogue Output 2500Vac, 50hz, 1mn Ana. output 1 / Ana. output 2 Without Supply / Ana. Output 2500Vac, 50hz, 1mn</p>
<p>RESIDUAL RIPPLE</p> <p>Current output < 20 μA Voltage output < 10mV</p>	<p>CONSUMPTION < 4Va</p>
<p>PRECISION CLASS</p> <p>Precision class 0.2% Conversion ana./digital input 24 bits Conversion num./analogue output 16 bits</p>	<p>POWER SUPPLY INPUT 20Vdc - 240Vdc 80Vac - 256Vac 50 - 60 Hz</p>
<p>VOLTAGE max 1000 v CURRENT max 6,5 A</p>	<p>TEMPERATURE</p> <p>Operating temperature - 10°C / + 60°C Storage temperature - 25°C / + 80°C</p>
<p>THERMAL DRIFT < 25ppm</p>	<p>PROTECTION INDEX IP20</p>
	<p>OPTION Tropicalization</p>

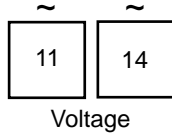


INPUTS

ULCOS 600 I

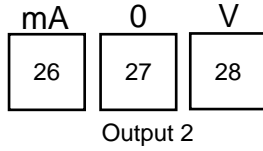
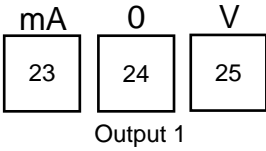


ULCOS 600 V

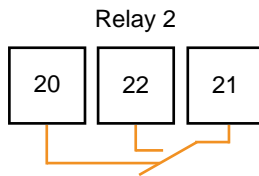
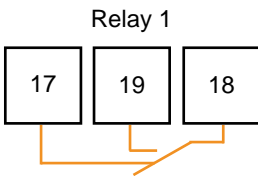


OUTPUTS

ULCOS 600 I ULCOS 600 V

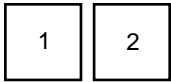


ULCOS 600 I ULCOS 600 V



Power supply

Without polarity



20Vdc - 240Vdc
80Vac - 256Vac 50 - 60 Hz

Dimensions

Case
Width: 17.5 mm maximum
Height: 76 mm
Depth: 106 mm

