

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.

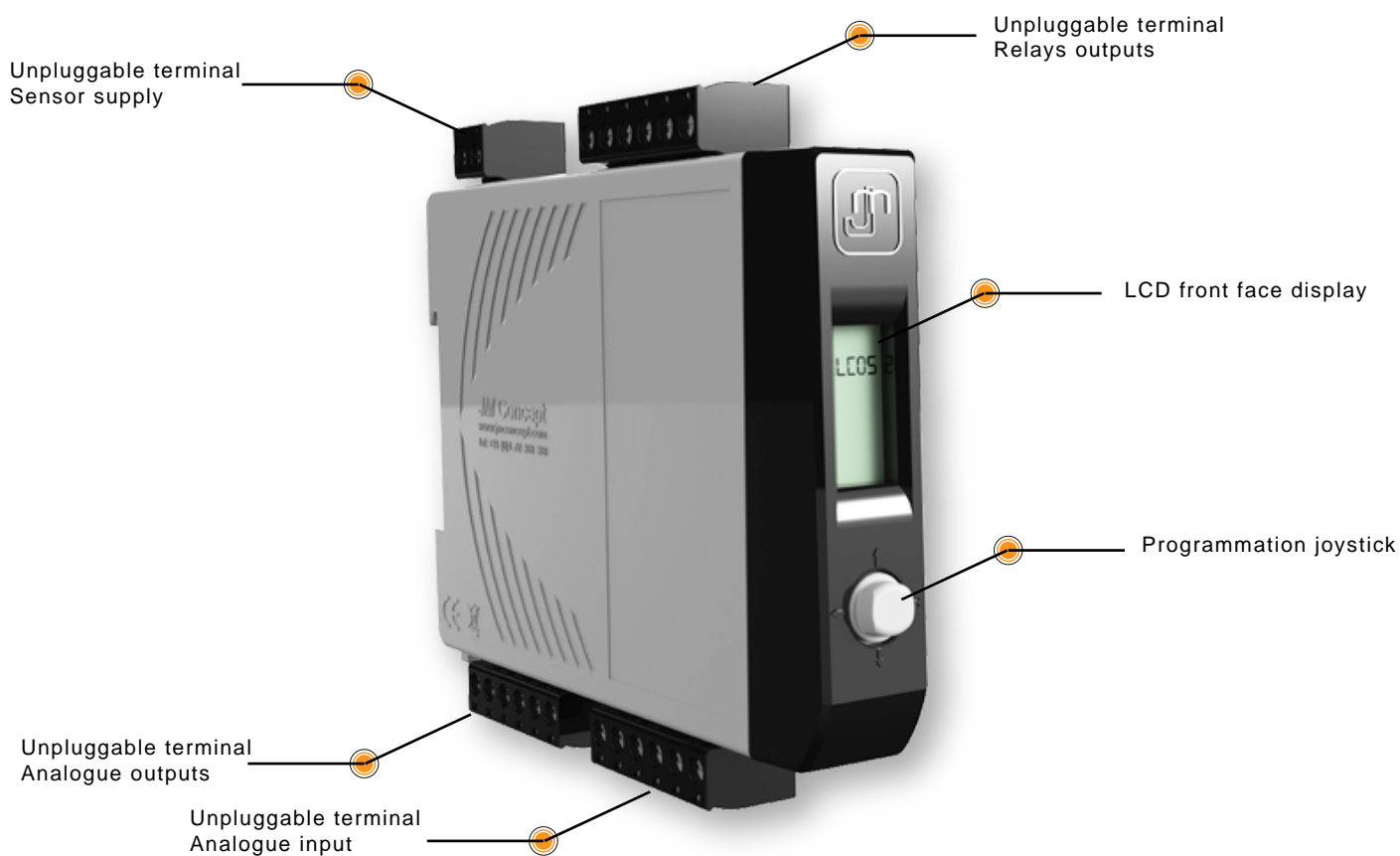
10 years warranty, **ULCOS** is a reliable and long term solution for all your measures conversion applications and signal insulation.

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



	INPUT	OUTPUTS		
	Frequency	1 analog output	2 analog outputs	2 relays outputs
ULCOS 820F0	✓			✓
ULCOS 800F1	✓	✓		
ULCOS 820F2	✓		✓	✓

VIEW





INPUTS

VOLTAGE	Sinusoidal, square, triangular, trapèzoidal : From 1V to 500V
NPN and DRY CONTACT	
PNP	
FREQUENCY RANGE	From 1Hz to 1KHz From 10Hz to 10KHz From 100 Hz to 100KHz
SENSOR SUPPLY	15V / 25 mA

OUTPUTS

CURRENT	Available scale : 0/20mA ; 4/20mA Settable scale : From 0mA to 22mA
VOLTAGE	Available scale : 0/10V Settable scale : From 0 to 11V
RELAYS	1 RT – 500mA / 250V

FUNCTIONS 1/2

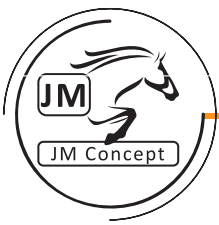
DISPLAY TYPE	Green LCD no backlight
DISPLAY	Input in real value or programmed value Outputs in programmed value or percentage Relays state
OUTPUT SCALE FACTOR	Allows providing a magnifying effect on output and on display
PROGRAMMATION	Programmation on front face with joystick 5 positions
MINI / MAXI MEMORY	Maximum and minimum measured values memorization
OFFSET	Input Offset setting on all inputs type



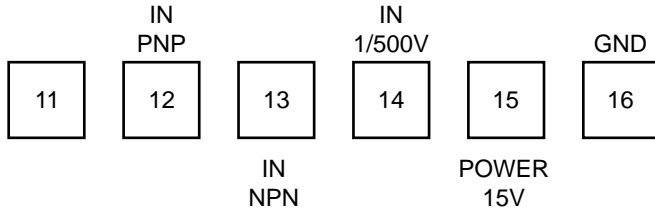
SIMULATION	Simulation function allows action concerning analogue output, relays and display separately from input and without disconnecting input or outputs
OUTPUT LIMITS	Allows outputs limitation values – High and low limits
THRESHOLD	Simple mode or band-mode with positive or negative safety. Threshold, 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 MEMORISATION	Separately on each alarm
OTHER FUNCTIONS	Cut Off - Resolution 1 or 10 digits - Comma - Filtering - Joystick locking Contrast display setting

TECHNICAL CHARACTERISTICS

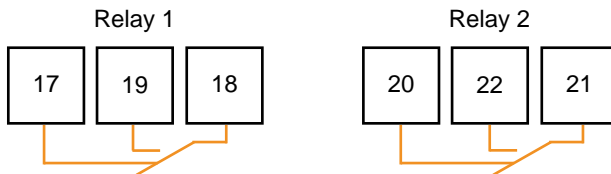
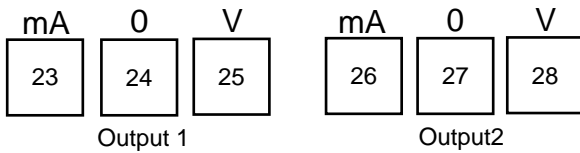
IINPUT IMPEDANCE	Voltage input	3MΩ	
IOUTPUT IMPEDANCE	Current output	< 700Ω	ISOLATION
	Voltage output	> 2kΩ	Supply / Input
RESIDUAL RIPPLE	Current output	< 20 μA	2500Vac, 50hz, 1mn
	Voltage output	< 10mV	Input / Analogue Output
PRECISION CLASS	Precision class	0.1%	2500Vac, 50hz, 1mn
	Digital Conversion/Analogue output	16 bits	Ana. output 1 / Ana. output 2
THERMAL DRIFT		< 25ppm	Sans
			Supply / Ana. Output
			2500Vac, 50hz, 1mn
			CONSUMPTION
			< 4Va
			POWER SUPPLY INPUT
			20Vdc - 240Vdc
			80Vac - 256Vac 50 - 60 Hz
			TEMPERATURE
			Operating temperature
			- 10°C / + 60°C
			Storage temperature
			- 25°C / + 80°C
			PROTECTION INDEX
			IP20
			OPTION
			Tropicalization



INPUTS

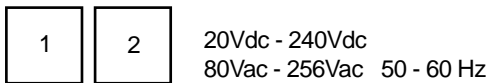


OUTPUTS



Power supply input

Without polarity



Dimensions

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

