TELIS 1000

DOCUMENTATION

TELIS reinvents conversion and transmission of measures

- Its graphic screen display, and its joystick make user-frendly and easily programmable device
- Its USB front face plug enables a very simple programming with PC.
- TELIS is designed in JM concept case unplugable from its DIN RAIL wiring base : BASELINE.
- Its cutting edge technology allows TELIS 1000 to have exceptional characteristics
- Its inputs/outputs configurations, adapted to the market, are efficient for any application.

TELIS 1000 can be programmed with the new graphic software **IXLOGforTELIS**

TELIS1000 5 years warranty

FR-COM-TELIS1000-AC-5-en

18, Chemin des Tard-Venus - F 69530 BRIGNAIS
Tél : 33 (0)4 72 318 318 - Fax : 33 (0)4 72 318 311
Email : jmc@jmconcept.com - Web : www.jmconcept.com
SAS au capital de 463 400 € - RCS LYON B 383 990 231 NAF 2651B
TVA FR63 383 990 231 SIRET 383 990 231 00045

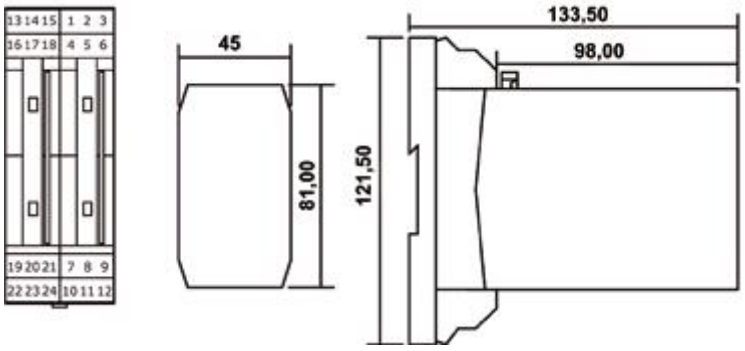
TELIS 1000

REFERENCE

With display	Without display	INPUT	OUTPUTS		COM
		Strain gauge	1 output Isolated analogue	2 relays	RS485 USB
TELIS1200U1	TELIS1200T1	▲	▲	▲	▲
TELIS1000U0	TELIS1000T0	▲			▲

VIEW

Dimensions : Width : 45 mm - Height : 81 mm - Depth : 98 mm



Baseline has to be ordered separatly

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INPUTS / OUTPUTS

INPUTS

Measure

Input scale	+/-18mVdc, +/-35mdcV, +/-75mVdc, +/-150mVdc, +/-300mVdc, +/-600mVdc, +/-1Vdc, +/-2Vdc **Spec** : +/-18mVdc, +/-35mdcV, +/-75mVdc, +/-150mVdc, +/-300mVdc, +/-600mVdc, +/-1Vdc, +/-2Vdc

Tare contact	Free contact of potential allowing to make the tarage
Supply voltage	Strain gauge voltage setup : 2V à 10 Vs Strain gauge max consumption: 100mA à 10V, 50mA à 5V

OUPUTS

Current	**Standard scales** : 0-20mA, 0-20mA, 4-20mA **Adjustable scale** : de 0mA à 22mA
Coltage	**Standard scales :** 0-10V ; 0-5V ; 1-5V ; 2-10V ; **Adjustable scale :** De 0 à 11V
Relay output	2 relays 1RT – 2A – 250Vac

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TECHNICAL CHARACTERISTICS

Input impedance	
Voltage input mV, MΩ	50 MΩ
Ouput impedance	
Current output	<900Ω
Voltage output	>4.7KΩ
Residual ripples Outputs	
Current output	<20 µA
Voltage output	< 10mV
Relay output	Relais 1RT : 2A-250Vac
Performance	
Precision class	0.10
Analog conversion / digital input	24 bits
Analog conversion / digital output	16 bits
Thermal drift	< 25ppm
Response time Process input, thermocouple, 2 wires resistance	< 60ms (4 wires) < 240ms (6 wires)
Voltage supply input	20Vdc-240Vdc & 80Vac-256Vac 50-60Hz
Supply input in option	20Vac - 60Vac
Conumption	< 4VA
Isolation	
Supply / Input	5000Vdc-3750Vac, 50Hz, 1mn
Supply/ SA1	5000Vdc-3750Vac, 50Hz, 1mn
Input / SA1	5000Vdc-3750Vac, 50Hz, 1mn
RS485 /supply-output-input	5000Vdc-3750Vac, 50Hz, 1mn
USB / Input 2	5000Vdc-3750Vac, 50Hz, 1mn
USB / SA1	5000Vdc-3750Vac, 50Hz, 1mn
Display	
Type	Blacklit LCD
Color	Blue
Characters	5
Lines	5
Case	
Width	45 mm
Height	81 mm
depth	98 mm
Pluggable wiring base	yes
Programming joystick	yes
Temperature	
Operating temperature	- 10°C / + 60°C
Storage temperature	- 25° C / + 80° C
Protection index	IP20
Option	Tropicalization

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FUNCTIONS

Display functions	
Display	LCD graphic display
Input scale factor	Enables to provide a magnifying effect on input in manual or in automatic calibration
Output scale factor	Enables to provide a magnifying effect on outputs and display
Inputs display	Among other possibilities, LCD graphic screen enables to display, inputs in real value or programmed value
Outputs display	Among other possibilities, LCD graphic screen enables to display, outputs programmed value or in percent, it displays also relays status
Unity	Possibility of showing any types of unity or creating itself the wished unity
Other functions	Cut Off, resolution 1 or 10 points, comma, contrast setting, filtering, display light off
Programming	Programmation with a 5 position JOYSTICK 5 in front face and by USB with the free software **IXLOGforTELIS**
Input functions	
Offset	Offset setting
Simulation	Simulation function allows action concerning analogue, relays, digital, outputs (RS485 Modbus RTU & USB) and display separately from input and without disconnecting input or ouptuts.
100 points linearization	100 points linearization (free choice for each point) allows to create an output function by input signal segmentation
Tare	Tare function
Memorisation	
Memorisation	Opens the possibility of memorisation the last measured value in case of error
Mini / Maxi memory	Maxi and mini measurement value memorizing
Output functions	
Output limitation	Possibility to limit output value – High Limitation and Low limitation.
Sensor safety	Shows sensor break display,on digital output on analog output(by entering drop out value),and on relays outputs, independent for each output
Relays	
Tresholds	Simple mode or band-mode with positive or negative safety. Threshold, hysteresis and temporization adjustment (separetely from rise or fall). Direct access to thresholds. Alarm memorizing and alarm deleting
Alarms reset	Separately on each alarm
Alarms memorization	Separately on each alarm
Setting	
USB	USB front face plug enable to connect with PC for a very simple product configuration with free software **IXLOGforTELIS**
Mapping	Modbus adress maping, enables to choose your own parameter adress
Communication	All transmitters have a bidirectional digital output RS485, then it's possible to recover the measurements and to send them in digital, but it's also possible to configurate and to drive the transmitter.This digital output is double over with USB plug on front face.

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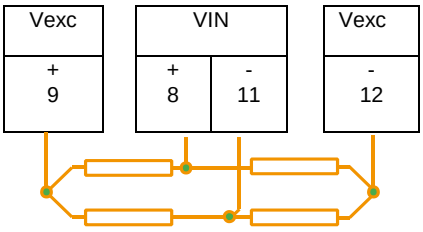
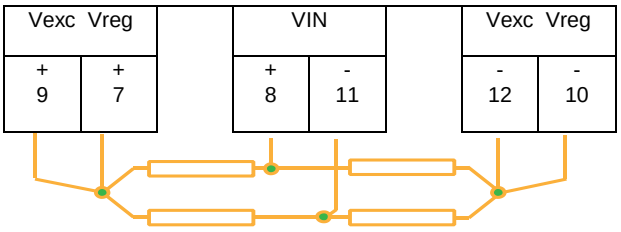
Inputs

4 wires

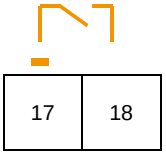


6 wires



TAR CONTACT

TELIS 1200



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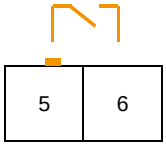
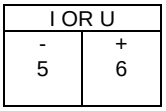
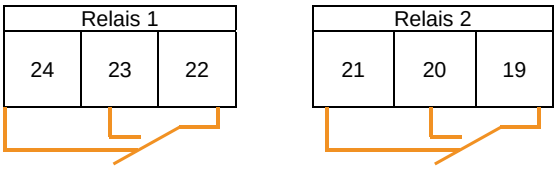


Outputs TELIS 1200





Supply Without polarity				Communication RS485 MODBUS			Front face output
2	3	20Vdc – 240Vdc 80Vac – 256Vac 50 – 60 Hz		4 B	1 A		USB

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