



Readout Units and Accessories



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DATAVIEW

Manual readout unit



Description

DATAVIEW manual readout unit is a compact and easy to use device that allows reading of electrical signal from the whole range of instruments produced by SIM STRUMENTI. DATAVIEW control unit, equipped with a rechargeable battery, has a great autonomy.

DATAVIEW has a membrane keyboard with HOLD, OFFSET and SETUP functions, a LCD that displays the sensor data, maximum and minimum values from two channels.

MEM function can store up to 99 readings, complete with date, time and a tag name, for easy recognition of the measurement performed.

This unit has 8 GAIN data conversion units for transforming electrical signal into physical units (one prefixed and seven programmable).

DW-BSE model allows the reading of a single type of input (to be chosen), while the DW-ADV model allows the reading of all types of electrical signal.

The mod. DW-ADVX performs as a two-channel data acquisition system (up to 7000 readings per channel). In the SETUP menu there is the possibility to set the acquisition interval. During the data acquisition mode the display will continue to update the data in real time. DW-ADV and DW-ADVX models are equipped with serial / USB output (using the converter supplied by the SIM STRUMENTI) that allows easy data setting and download directly to a computer.

Applications

Manual and / or automatic instrumentation readout.



DATAVIEW

Manual readout unit

Technical features			
Model	DW-BSE	DW-ADV	DW-ADVX
Channels number	2		
Converter	16 bit		
2mV/V input	*	•	•
±20mV input	*	•	•
±200mV input	*	•	•
±2V input	*	•	•
±5V input	*	•	•
4-20mA input	*	•	•
HOLD function	•	•	•
OFFSET function	•	•	•
MEM function	•	•	•
Memory	99	99	14000
Internal supply	Batteria 12V 2.3Ah		
External supply	12Vcc		
Serial port / USB**	-	•	•
Com. speed (Baud)	-	9600	9600
Operating temperature	-20 ÷ +60 °C		
Protection	IP65		
Dimensions	166x208x82 mm		
Weight	1.850 Kg		

Accessories	
Power supply	DW000-AX-PS01
Car lighter supply cable	DW000-AX-CPS1
Connection cable to JBDW	DW000-AX-CCB1
16 Ch. junction board	DW000-AX-JBDW
Cable with 4 alligators (1 channel)	DW000-AX-C401
Cable with 6 alligators (2 channels)	DW000-AX-C601
Communication kit (USB cable, driver and DATAVIEW software)	DW000-AX-SWDW

• standard - not available * upon request

** Using the converter provided by SIM STRUMENTI

DATAFLOW

Manual flow readout unit



Description

DATAFLOW manual readout unit is a compact and easy to use device that allows, by inserting a calculation formula, reading of electrical signal from the level and flow sensor produced by SIM STRUMENTI and convert them into flow units.

DATAFLOW unit is equipped with a keyboard and a display that allows viewing the instantaneous and total flow, as well as the sensor data (water level). It also has the HOLD and OFFSET functionality and has the ability to store up to 7000 readings per channel, included of date and time.

This unit has 8 GAIN data conversion units for transforming electrical signal into physical units (one prefixed and seven programmable).

DATAFLOW control unit, equipped with a rechargeable battery, has a great autonomy.

Applications

Flow readout in tubes, channels, etc.



DATAFLOW

Manual flow readout unit

Technical features	
Channels number	2
Converter	40000 points
2mV/V input	*
±20mV input	*
±200mV input	*
±2V input	*
±5V input	*
4-20mA input	*
HOLD function	•
Funzione OFFSET	•
OFFSET function	•
Memory	14000
Internal supply	12V 2.3Ah battery
External supply	12Vcc
Serial port / USB	•
Com. speed (Baud)	9600
Operating temperature	-20 ÷ +60 °C
Protection	IP65
Dimension	166x208x82 mm
Weight	1.850 Kg
Accessories	
Power supply charger	DW000-AX-PS01
Lighter cable	DW000-AX-CPS1
USB cable	DW000-AX-CRS1
DATAVIEW / DATAFLOW software	DW000-AX-SWDW

• standard - not available * upon request

INCLAB

Inclinometric readout unit



Description

INCLAB is the data acquisition system delivered with the inclinometer probe. It allows the operator, through a keyboard and an LCD display, to set, read and record data during the measurements.

INCLAB data acquisition system, can record data in two simple ways: in manual mode, using a pulse-button (trigger), and in automatic-timed mode, setting the recording rate by the end user. In both option the unit will beep after the acquisition stage.

SIM STRUMENTI also supplies, upon request, an outer visual signal and an acoustic beeper placed on the trigger button.

INCLAB readout unit has a RS232 serial port allowing its connection to a PC, for setting the data into the unit and for the transfer of the stored measurements. Using the TEST procedure the inclinometer probe can be checked for his functioning.

INCLAB readout unit can be connected to a servo accelerometer sensor as well as to an pendulum sensor.

SIM STRUMENTI also supply a software package INCLAB Manager and Processing.

The Manager software is used to set the unit and to download the stored measurements. It also has a database with all the executed measurements, allowing further unit setting with great simplicity.

The Processing software is used to process and to visualize graphically the inclinometric data, giving temporal indications over the landslide movements, as well as printing the data and the graphics.

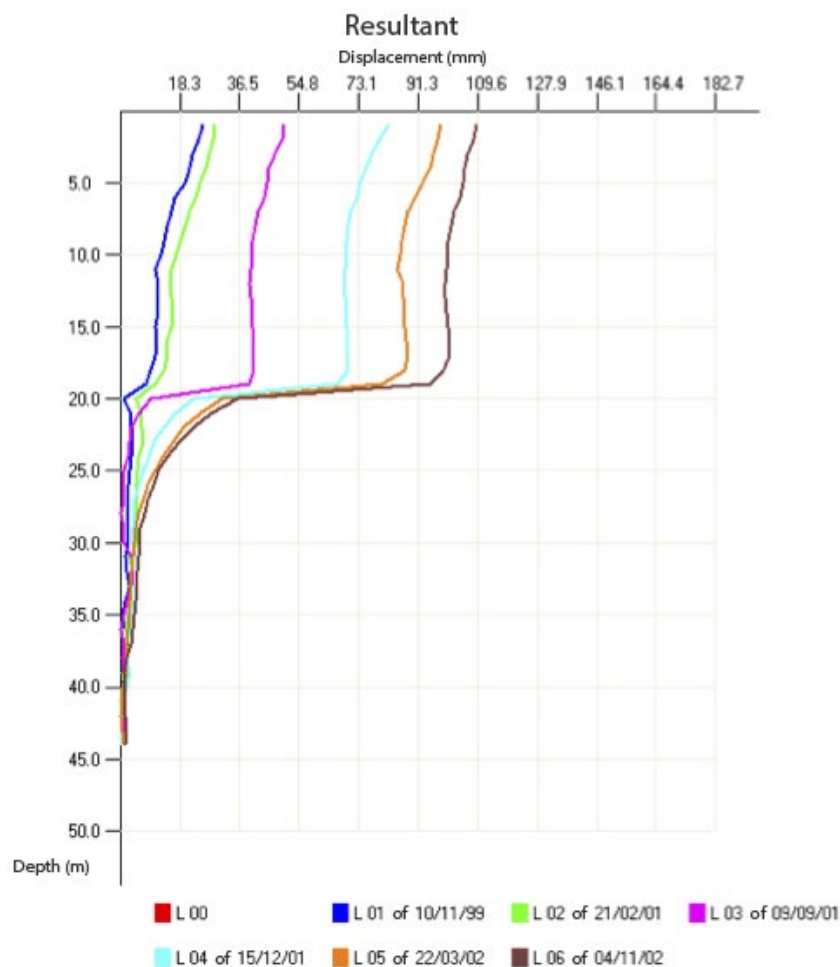
Applications

Reading and acquisition of inclinometer measurements.



INCLAB

Inclinometric readout unit



Technical features

Model	INCLAB
Sensor	Biaxial servo accelerometer
Input	2
Supply	12Vcc
Resolution	±20000 points (40000 sin alpha with sensor at 30°) (80000 sin alpha with sensor at 15°)
Aquisition interval	0.5, 1 mt
Maximum depth	100, 200 mt
Memory	30 measurements (4 guides x 200 mt)
Guides	2, 4
Communication	RS232
Speed (baud)	9600
Display	LCD 4x20 characters, Backlit
Keyboard	membrane
Operating temperature	-20 ÷ +70 °C
Dimensions	267x197x115 mm
Weight	1.8 Kg

Accessories

Serial cable	IN910-AX-CRS1
Trigger cable	IN910-AX-CT01
Trigger cable with acoustic and visual signal	IN910-AX-CT02
Connection reel-INCLAB cable	IN910-AX-CC01
220V Power supply	IN910-AX-PS01
Car lighter supply cable	IN910-AX-CPS1

ESTRUDAT

Extrusion readout unit



Description

The measuring system supplied with the incremental probe DS850 is the ESTRUDAT control unit which allows the operator, through a keyboard and a display, to set, read and record the stored data.

ESTRUDAT data acquisition unit allows the recording of data in manual mode with a push button, emitting an acoustic signal once the recording is performed. SIM STRUMENTI also provides, upon request, an external acoustic and visual warning device installed on the trigger button.

ESTRUDAT control unit has a serial RS232 output that allows connection to a PC for setting the data and for receiving the measurements.

Being equipped with a TEST mode, ESTRUDAT also allows you to control the system functionality.

ESTRUDAT is supplied with a Manager and Processing software package.

The Manager software allows setup the unit and downloading the data recorded.

The Processing software, on the other hand, allows data processing, graphical visualization and printing of the incremental data.

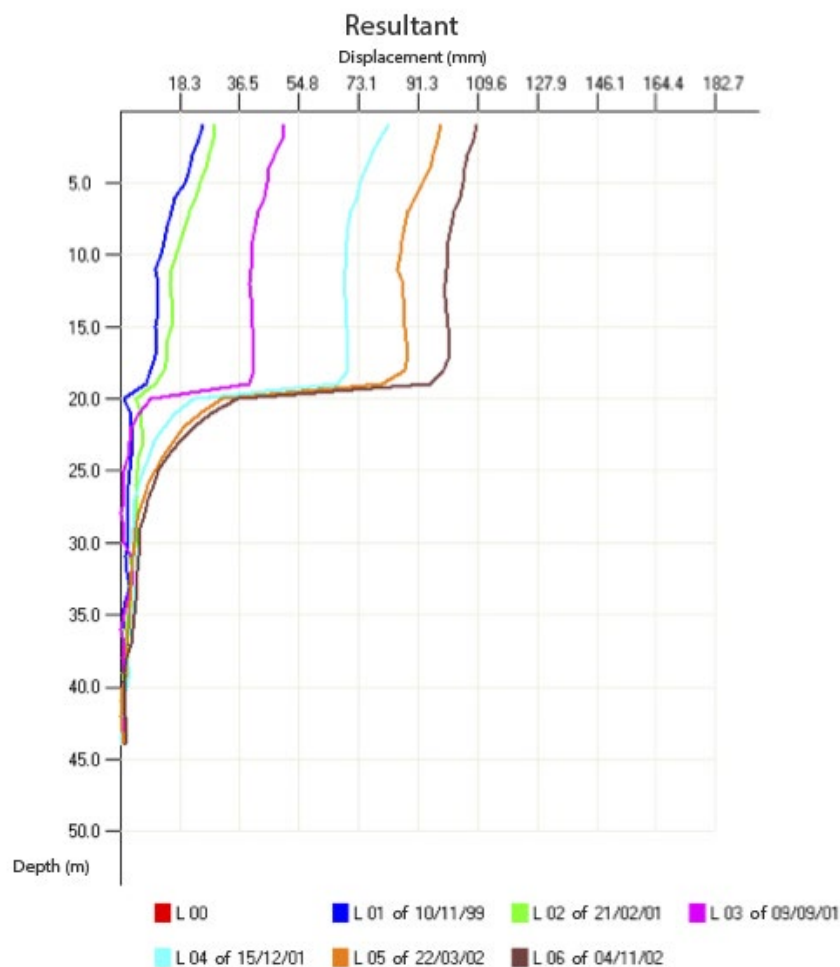
Applications

Readout and acquisition of extrusion data.



ESTRUDAT

Extrusion readout unit



Technical features

Signal	4-20mA
No. of channels	2
Supply	30Vcc
Resolution	±20000 points
Acquisitions interval	1 mt
Max. depth	200 mt
Memory	30 measures
Communication	RS232
Com speed (Baud)	9600
Display	LCD 4x20 characters, Backlit
Keyboard	membrane
Operating temperature	-20 ÷ +70 °C
Dimensions	300 x 250 x 190 mm
Weight	5 Kg

Accessories

Serial cable	IN910-AX-CRS1
Trigger cable	IN910-AX-CT01
Trigger cable with acoustic and visual signal	IN910-AX-CT02
Connection cable reel-readout unit	IN910-AX-CC01
220V power supply cable	IN910-AX-PS01
Lighter power supply cable	IN910-AX-CPS1

PC320

Process controller



Description

PC320 control unit is a reliable process controller and is suitable for measuring sensors with 2 or 3-wire output. The process controller is programmed by default for 12 different sensor types with selectable engineering units. The control unit has a keyboard and a display used for sensor conversion programming.

The controller can accept 2 or 3 calibration points to correct linearity in sensor output; for non-linear sensors, such as the flow meter, a 3rd degree polynomial equation is supported.

During operation, the following data will appear on the display: sensor type, the average reading in the selected range, the engineering unit and the status of the 4 relays. Two other display modes are available: one displaying minimum and maximum values, the other displaying the real time status of the process controller's 4 relays and the sensor reading that caused the last triggering event. The backlight of the display can be switched off for power saving.

The control unit is available in two versions: battery operated or with an external current.

Upon request, it is possible to add a memory unit in order to upgrade the process controller to a data acquisition unit.

Applications

Sensor measurement.



PC320

Process controller

Technical features				
Model	PC320AC	PC320AC D	PC320DC	PC320DC D
Supply	90-220 Vcc		12Vcc o 18-24Vcc	
Consumption	34mA + sensor current + 4-20Ma in output			
Sensor resolution	Max 7 digits, Auto-floating			
Input 2-wire	•	•	•	•
Input 3-wire	•	•	•	•
Input 4-20mA	•	•	•	•
Input 0-1V	•	•	•	•
Input 0-5V	•	•	•	•
Data Logger USB	-	•	-	•
Display	2 lines x 16 characters, LCD, Backlit			
Keyboard	Membrane with 8 keys			
Analog output	4-20 mA scalato			
Alarm outputs	4 independents SPDT relè			
Dimensions	180x130x35 mm			
Weight	0.454 Kg			
Accessories				
Power supply	PC320-AX-PS01			

• standard - not available

FL555

Flow computer



Description

FL555 series flow converters are microprocessor controlled indicators that transform sensor signals into flow values. They are equipped with keyboard functions for programming and a digital display indicating the instantaneous and total flow. A password can be set, in order to avoid tempering, variations or to reset the converter.

There are 3 available models:

- FL555-01 battery operated
- FL555-02 with external power supply
- FL555-03 with external power supply and 4-20mA output.

The flow converter is available with wall mounting or with panel mounting bracket.

The models -01 and -02 have two pulse outputs: one scaled and one passing, while the -03 model has two scaled pulse outputs and a 4-20mA output. The pulse outputs can be set as alarm outputs.

FL555 series flow converters have a IP67 robust casing with an optional protection cover.

FL555-03 model can be connected to one of the data acquisition systems (MINILOG, MYLOG, NATUN) supplied by us.

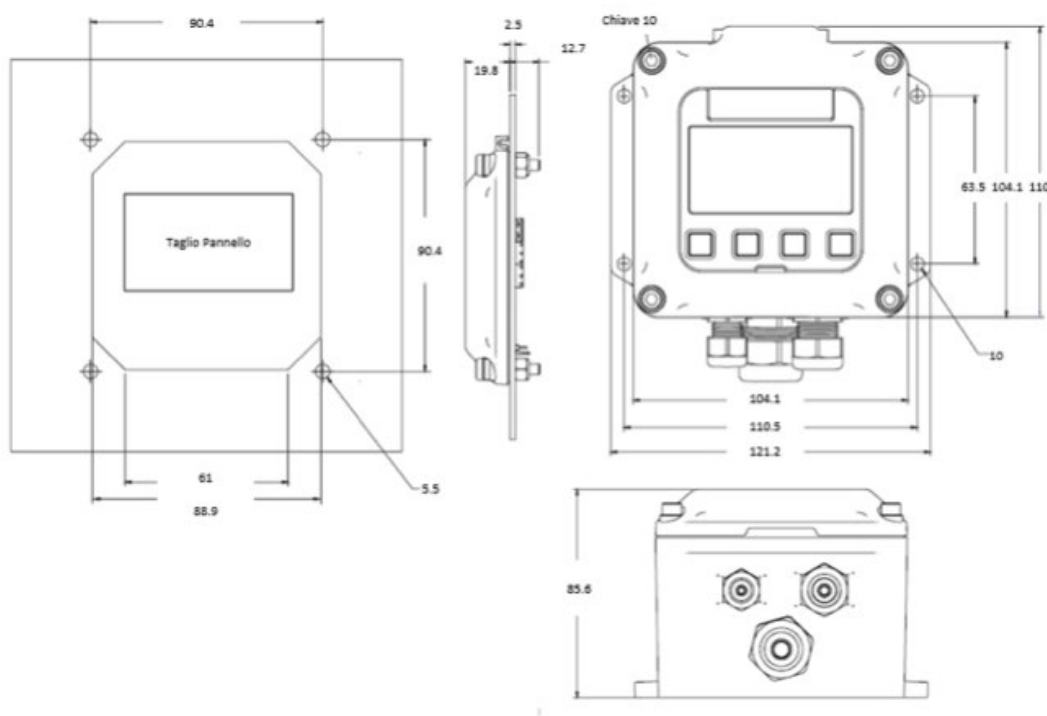
Applications

Measurement of flows in tubes.



FL555

Flow computer



Technical features

Model	FL555-01		FL555-02	FL555-03
Supply	3.6V lithium "C" bat		7-30Vdc	7-30Vdc
Display	Instantaneous	5 digit		
	Totalizer	8 digit		
Unit of measurement	Instantaneous	Gal or Lit or OZ or ft3 or m3 /sec/min/hh/dd; ML/dd; MilGal/day		
	Totalizer	Gal; MGal; Lit; ML; ft3; m3; Mft3; MilGal; Ounce		
"P" setting	0.1 – 99999.9 units/pulse			
"K" setting	0.001 – 999999.999			
Output Alarm	0.1 – 99999.9			
Input signal	Micropower GMR		5V pulse or clean contact	
Operating temperature	0 ÷ 55°C			
Protection	IP67 ; NEMA 4X			
Output	Pulse 1	Scaled output, alarm high or alarm low		
	Pulse 2	Passing	Scaled output, alarm high or alarm low	
	Current	-		
	Max voltage	3.6V	45V	
	Insulation	300V	150V	

Accessories

Protection cover	FL555-CO
External power supply	FL555-AL
External power supply double powered	FL555-AL2

MYLOG

Data acquisition system



Description

MYLOG data acquisition system, designed and produced by SIM STRUMENTI, is a compact, versatile and inexpensive datalogger; its small size and low consumption make it suitable for targeted monitoring at one point, where daily data is needed, without incurring complex monitoring. MYLOG is particularly suitable to be inserted inside the various measuring instruments in order to reduce costs and dimensions.

MYLOG unit can be connected to all the instruments produced by the SIM STRUMENTI and be supplied with the sensor already connected or with a centralization box. Designed to be used with different types of power supply, when ordering you can choose the type, considering sensor, frequency and duration of monitoring.

MYLOG unit will be housed inside a container whose size and material will depend on the different needs, the batteries and the chosen accessories.

The acquisition intervals are programmable from 1min to 24 hours and there is also the "Scan" function that allows to control the alarms of each single channel, with a programmable frequency from 1min to 24 hours.

The WARM UP function, programmable from 1 to 60 seconds, allows to supply current to the instrument before reading, in order to stabilize it. When connected, MYLOG unit provides all the parameterization data stored in it, as well as the status of the battery. The data is saved in a FLASH memory that can store 128,000 data, as well as date and time.

It is possible to connect MYLOG unit to a GSM modem.

Applications

Connected to piezometers, fixed wall inclinometers with temperature sensor, joints meters, temperature and humidity sensors etc.



MYLOG

Data acquisition system

Technical features	
Nr. of channels	2
Converter	16 bit
Available inputs	$\pm 10\text{mV}$, $\pm 200\text{mV}$, $\pm 2\text{V}$, 4-20mA*
Battery control	✓
Real time	✓
Stored phones number	6
SMS messages	1 for every channel + 1 main message
Alarm	✓
Alarm output	Pulse +V e/o Message SMS (via modem)**
Warm Up	Programmable from 1 sec to 60 sec
Internal power (standard)	Battery 9V 1.2Ah Power supply 3x3.6V 1200mAh
External power	3.6-24Vcc***
Memory per channel	64000 data
Consumption	0.01mA in standby 20mA during connection; 30mA during acquisition
Sensor power	-0.8V
RS232/USB	✓
Com. Speed (BPS)	9600, 57600
Operating temperature	-20 ÷ +70 °C
Acquisition rate	Programmable from 10 sec to 24 hrs.
Scan rate	Programmable from 10 sec to 24 hrs.
Protection	IP68 for inox case IP63 for ABS case
Dimensions	Power supply 3x3.6V 1200mAh Ø32x260mm Power supply 4x3.6V 1200mAh Ø32x260mm Battery 9V 1.2Ah 100X64X40mm
Weight / Material	Power supply 3x3.6V 0.480Kg. / Inox Power supply 4x3.6V 0.480Kg. / Inox Battery 9V 1.2Ah 0.200Kg / ABS

Accessories	
Battery 9V 1.2Ah	MLY AX-0912
Power supply 3x3,6V 1200mAh	LY-AX-3612
Power supply 4x3,6V 1200mAh	LY-AX-4612
Alarm card includes TEST/RESET buttons and bistable relay	ML-LY-SA
DC/DC for sensor supply +15Vcc	ML-LY-DC15
Communication Kit (USB cable, driver and software VEDO)	ML-LY-COM
Centralization data sheet (2CH)	LY-JB
Material	ABS
Dimensions	100x64x40mm

* Specify for each channel the sensor.

** For the alarm pulse is available an relay card and for the SMS message is available a GSM modem model MDS-BSE.

*** Specify at the order if an external power supply is needed.

MINILOG

Data acquisition system



Description

MINILOG data acquisition system designed by SIM STRUMENTI is a compact and economic data logger meeting all fields requirements and perfectly match to all SIM STRUMENTI instruments. The MINILOG is available in three standard versions, connectable with a variety of instruments, thus providing an excellent quality-price ratio.

MINILOG is powered by a 9V battery that provide to switched power for most of the connected sensor as well. The internal battery life is guaranteed for 7 years in standby mode, while in the acquisition mode the battery life is dependent on the acquisition interval and the types of instruments connected (example: for 4 displacement sensor with 6hrs recording interval, the data logger will last 3 years). If necessary, it is possible to connect an external power supply.

The acquisition time interval is programmable from 10 seconds to 24 hours. The "Scan" function, in order to control the threshold alarm limit, is programmable from 10 seconds to 24 hours. The "Warm Up" function switched power to the instrument from 1 to 60 seconds (programmable) before the actual readout, in order to data stabilization.

The data is stored onto the solid-state memory, which has a storage capacity for 32000 data.

SIM STRUMENTI offers a special Switch unit mod. ML-SW to which up to 8 minilog can be connected, achieving 32 channels. In this case the communication would be via serial for all data loggers.

A modem can be connected either to the MINILOG or to the Switch unit.

MINILOG is housed in a rugged enclosure in polyester glass fibers reinforced, IP65 whose dimensions depends on number of channels and/or required accessories. VEDO software supplied with the data logger enables a perfect management process data on-site or for remote control.

Applications

Connected to piezometers, multipoint borehole extensometers with displacement sensors, inclinometers, conductivity sensors, meteorological stations etc.



MINILOG

Data acquisition system

Technical features			
Model	ML-4CH	ML-PT	ML-PTX
Nr. of channels	4	2	2
A/D	16 bit	8 bit	8 bit
Input 4-20mA	•	-	-
Input ±2V	•	-	-
Input ±200mV	•	-	-
Input PT100	-	•	•
Counter Pulse	-	8 bit	8 bit
totalizer	-	16 bit	32 bit
Input ±5V	*	-	-
Input ±20mV	•	-	-
Test	•	•	•
Alarm output	•	-	-
Alarm	Pulse +V e/o Message SMS (via modem)		
Warm Up	•	•	•
Stored phones number	6		
SMS messages	1 for every channel + 1 main message		
Internal Power	Battery 9V 1200Ah		
External Power	9-24Vcc		
Memory per channel	8190 data	16000 data	8190 data
RS232/USB**	•		
Consumption	0.01mA in standby 20mA during connection + sensor consumption 30mA during acquisition + sensor consumption		
Com. Speed (BPS)	9600		
Operating temperature	-20 ÷ +70 °C		
Acquisition rate	Programmable from 10 sec to 24 hrs.		
Scan rate	Programmable from 10 sec to 24 hrs.		
Proteztion	IP65		
Dimensions	75x55x190 mm		
Weight	0.600 Kg		

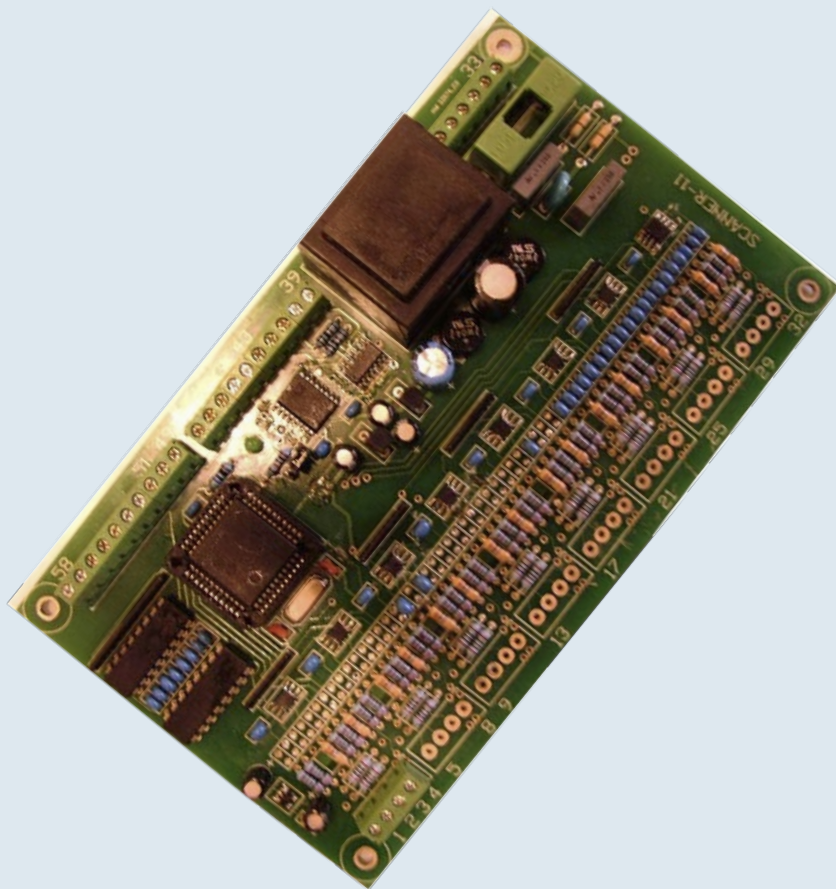
Accessories	
Battery 9V	ML000-AX-PS09
Power supply 220V	ML000-AX-PS01
Supply cable lighter	ML000-AX-CPS1
External power supply cable	ML000-AX-CPSE
Bracket kit	ML000-AX-MW01
Communication Kit (USB cable, driver and software VEDO)	ML-LY-COM
Alarm card includes TEST/RESET buttons and bistable relay	ML-LY-SA
GSM/GPRS modem	MDS-BSE
DC/DC for sensor supply +15Vcc	ML-LY-DC1515

• standard - not available * upon request

** with SIM STRUMENTI converter

NATUN

Data acquisition system



Description

NATUN is a data acquisition system based on A / D boards managed by a microprocessor and connected to each other through one or more RS485 serial lines. The system can be connected on several lines, where each line can contain up to 32 8-channel boards; the system has a maximum of 600 channels.

NATUN is managed by a central computer equipped with a software capable of acquiring and processing all data in real time, as well as storing and sending them to an e-mail address or to a FTP site. The lines that collect the A / D cards are connected to the computer via USB ports.

The A / D boards are of different types: for 4 ÷ 20mA sensors, for Volt output sensors with or for PT100 sensors. The choice must be made at the time of the order.

Each board has its own address that can be modified on site through a dip switch placed on the board itself. The boards are equipped with a total galvanic separation between the communication and the data acquisition part.

Each card is equipped with 8 A / D circuits (one for each channel) independent from each other, in order to speed up the acquisition time (one acquisition per second of all the channels at the same time). For all connected channels, the time required for the update is approximately one minute.

The central computer can also manage alarm cards; each card is equipped with 8 output relays.

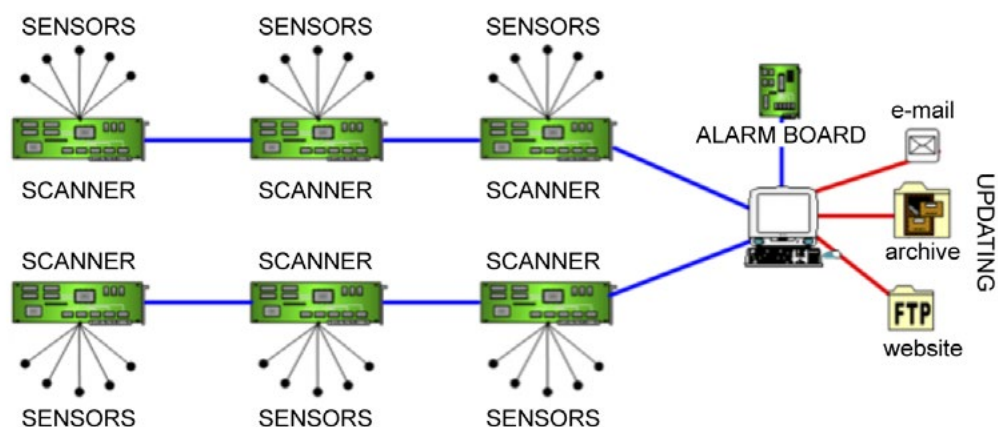
Applications

Hydro geological, geophysical, geotechnical and weather monitoring, etc.



NATUN

Data acquisition system



Technical features

A/D converter	±18bit	
Inputs	0-20 mV, 0-200 mV, 0-2 V, 0-20 V , 0-20mA , 4-20mA, PT100, digitals*	
No. of channels	8 channels per board (max 600 channels) max 32 cards per line	
Sensor power supply	power supply board* +24V dc, +12V dc, +5V dc, +2V dc, +1 mA dc	
External power supply	220Vcc	
Internal power supply	24Vcc	
Consumption	4VA each board	
Dimensions	Scanner board	162 x 95 mm
	A/D module	62 x 25 mm
	Sensor power supply board	90 x 95 mm
	Alarm board	120 x 140 mm

Accessories

4-20mA board	NT01-AX-0420
±2V board	NT01-AX-0202
±200mV board	NT01-AX-2020
±20mV board	NT01-AX-0202
Alarm board	NT01-AX-0800
Alarm board	NT01-AX-AB00**
Transformer 230-24 Vac 300 Va	NT01-AX-2024

* Specify at the time of order

** Specify the desired power supply, for example: for 24V A+24, B = + or ± ;00 = 24, 12 etc for 1 mA, mark Am01

MD

2G/3G/4G

GSM/GPRS modem



Description

The MD series GSM/GPRS modems have been specifically designed for data transmissions deriving from data loggers. They are built with a sturdy industrial aluminum casing.

They are equipped with two connectors, one for power supply and one for the **RS232** serial line. There is also a slot for inserting the telephone card.

The modems are supplied with: power cables, antenna and a serial connector. The MD series modems can be connected to all SIM STRUMENTI data acquisition systems and have the following functions:

- **DATA** - Data transmission to a website via FTP (*all models*)
- **SMS** - Sending alarm SMS messages (*all models*)
- **CSD** - Remote connection to the control unit, using another modem (*only for mod. MD2*)

Applications

Remote connection.



MD

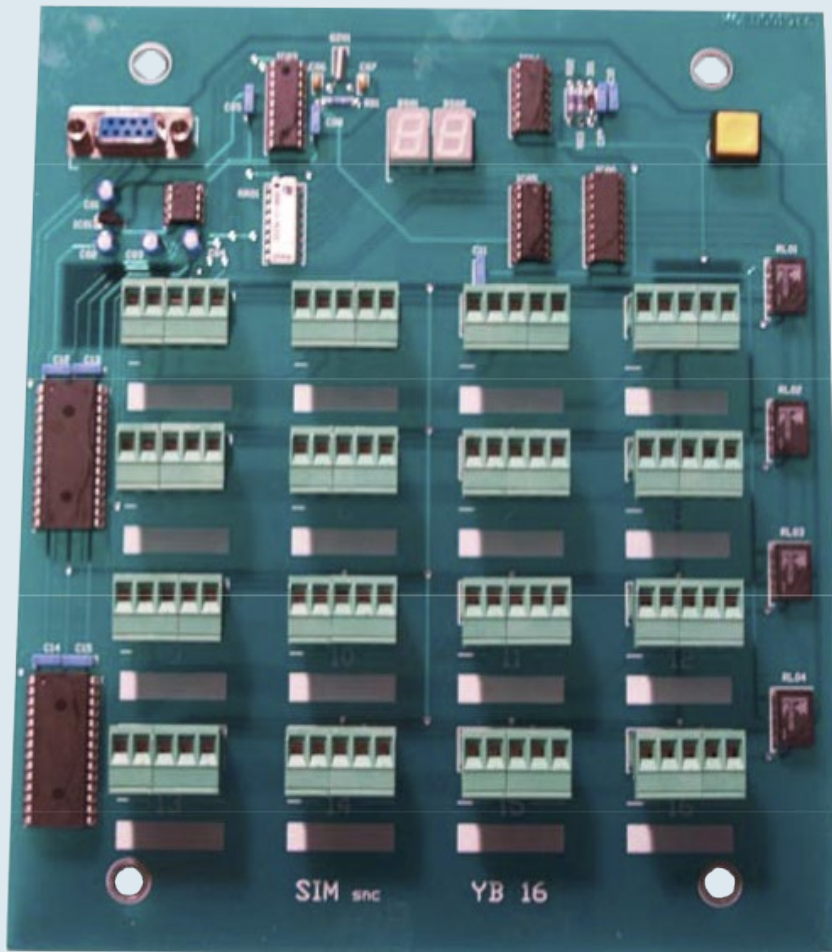
2G/3G/4G

GSM/GPRS modem

Technical features			
Model	MD2	MD3	MD4
Generation	2G	3G	4G
Communication	GSM / GPRS		
Frequency	850/900/1800/1900 MHz		
Speed	85.6 Kbit/S		
Supply	5-30 Vcc		
Operating temperature	-20 ÷ +60 °C		
Humidity	Max. 85%		
Dimensions	72x53.5x26 mm		
Weight	0.089 Kg		
Communication			
Speed	Up to 115200bps (Default 9600 bps)		
Version	GSM 07.05 / 07.07		
Modality	Not transparent		
SMS	MO/MT Text & PDU mode		
Default configuration	9600, 8, N, 1, None		
CSD function	✓	-	-
Interface			
Antenna	SMA/F male connector		
Supply	Micro FIT F 2Pin connector		
Status	Led		
Serial	Sub DB9F HD connector		
Accessories			
12V power supply		MD-AX-A1	
Modem/PC serial cable		MD-AX-MP	
Modem/Datalogger serial cable		MD-AX-ML	

JB

Junction board



Description

The junction board has been designed for multiple application and they are produce in various dimensions, depending on their capacity in relation to the number of instruments/cable connectable:

- Junction boards for the instruments connections and their readout with the manual unit DATAVIEW;
- Junction boards for the instruments connections to a central data acquisition system through a multicore cable;
- Junction boards for the instruments connections through a chain of multicore cables, where on every boards there is different instruments type and all connected to a central data logger;
- Junction boards for cables extension (splices), or for a anti-lightning protection.

SIM STRUMENTI supplies upon request two type of resin, in order to ensure better protection to the junction boxes. The first resin, silicon based, allows easy maintenance and further splices connections. The second type is an epossidic resin, allow the junction boxes great durability to high pressures and perfectly waterproof.

Applications

Cable connection, instruments multiplexing etc.



JB

Junction board

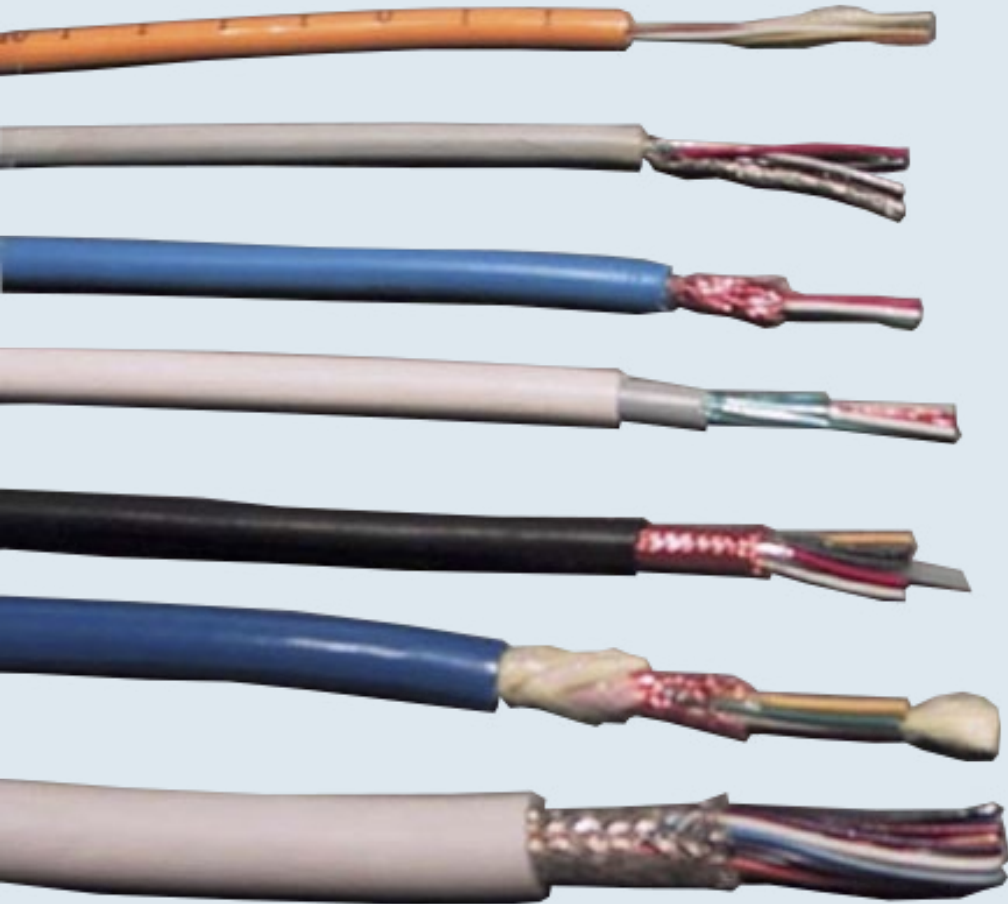
Technical features				
Model	JBSC	JB01	JBLT	JB04
Inputs	-	6	8	10
Outputs	-	6	8	40
Max connectable ch	1	1	2	4
Protection	IP68	IP65	IP65	IP65
Dimensions (mm)	Ø15 x 80	55x55x37	110x75x55	190x75x55
Material	PVC Stainless steel*	Reinforced polyester	Reinforced polyester	Reinforced polyester
Notes	Anti-lightning			

Model	JBDW	JB16
Inputs	80	64
Outputs	DB9 (DATAVIEW)	40
Max connectable ch	16	16
Digital commutation	•	-
Protection	IP65	
Dimensionis	300 x 200 x 160 mm	
Material	Polyester	

Accessories	
Mounting brackets (DW, 16)	JBS-AX-MW01
Silicon resin kit	JBS-AX-RSS1
Epoxy resin (90 gr.) kit	JBS-AX-RSE1
Epoxy resin (210 gr.) kit	JBS-AX-RSE2
Crimp terminals kit	JBS-AX-KT01
Extractable terminal block 5 pins	JBS-AX-TEB5
DATAVIEW connectin cable	JBS-AX-CCB1
Metallic cable gland M10	JBS-AX-GM10
Metallic cable gland M12	JBS-AX-GM12
Plastic cable gland PG7	JBS-AX-GP07
Plastic cable gland PG16	JBS-AX-GP16
Metallic cable gland PG9	JBS-AX-GM09

• standard - not available * upon request

CB Cables



Description

The cables produced by SIM STRUMENTI were designed for several applications and every cable is suitable for a different one.

The cables ensure an excellent connection between the instrument and the measuring device. All the cables are shielded, in order to ensure a good signal transmission also the low ones, clearing all electrical disturbance.

Some cables have a Kevlar core, in other also a twist Kevlar, in order to ensure a durability of the cables in those applications where they are subject to extension stress.

All cables are produced with an outer protective sheath, in order to ensure waterproofing, in some case the sheath is also scratch protected and in other cases the sheath is marine grade.

Vented cables are also produced having an internal nylon tube, for the barometric compensation.

Applications

Connecting instruments to reading units.



CB Cables

Technical features					
Cable	4022	6022	6022k	2015kf	4015kf
Conductors	4	6	6	2	10
Diameter	5.6	5.0	8.0	4.7	4.7
Conductor	Red Copper	Red Copper	Soldered Copper	Soldered Copper	Soldered Copper
Ext. sheat	PVC	PVC	Polyurethane	Polyurethane	Polyurethane
Int. sheat	Polyethylene	Polyethylene	PVC		
Shield	Red Copper	Red Copper	Red Copper		
Armoring			Kevlar core and twist	Kevlar core	Kevlar core
Color	Blue	Blue	Blue	Blue	Yellow
Insulation Resistance MΩ x Km a 20°	>2000MΩ >2000MΩ >2000MΩ >2000MΩ >2000MΩ				

Note Cm marked on external sheat

Cable	2022t	6022t	40022	4022m	40022m
Conductors	2	6	40	4	40
Diameter	5.0	7.5	12.5	5.8	11.3
Conductor	Soldered Copper	Soldered Copper	Red Copper	Red Copper	Red Copper
Ext. sheat	Polyurethane	Polyurethane	PVC	Polyurethane Ether	Polyurethane Ether
Int. sheat				Polyethylene	Polyethylene
Shield	Aluminum with cont. wire	Soldered Copper	Red Copper	Red Copper	Red Copper
Armoring			Kevlar core and twist	Anima in Kevlar	Anima in Kevlar
Color	Blue	Blue	Blue	Blue	Blue
Insulation Resistance MΩ x Km a 20°	>2000MΩ >2000MΩ >2000MΩ >2000MΩ >2000MΩ				

Notes Tube Ø0.5/1.5 Tube Ø1.5/2.5 Marine Grade Marine Grade

Accessories	
Splice kit	CBS-AX-KT01
Waterproof splice kit	CBS-AX-KT02

ED-06/22



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