

INTRODUCTION

LogBox-AA is a dual channel universal input data logger which directly accepts several analog industrial signals and sensors as voltage, current, thermocouples and RTDs.

This self-operated logger is extremely flexible and can be easily programmed and set via a handy infrared **IrLink3** interface connected to a USB port under Windows® software.

Allows for logger configuration, recorded data retrieval, plotting and historical analysis and exports data to spread sheets.

Its sturdy water proof enclosure provides full performance in the most demanding applications.

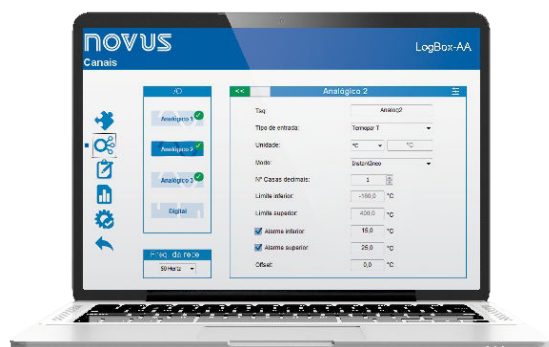


CONFIGURATION

Nxperience software allows for logger configuration, recorded data retrieval, plotting and historical analysis and exports data to spread sheets. Infrared communication to a PC is achieved by using the **IrLink3** interface connected to a USB port.



USB COMPATIBLE



NXPRIENCE CONFIGURATION SCREEN

SPECIFICATIONS

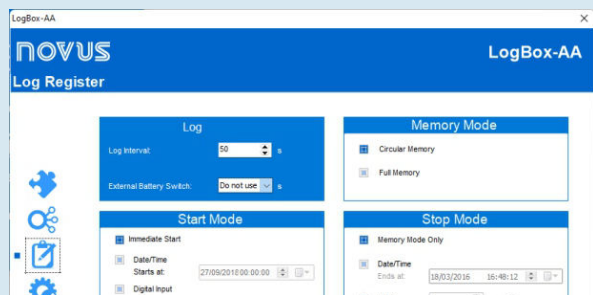
- Dual universal multi-sensor inputs, individually programmable for Pt100, Thermocouples (types J, K, T, E, N, R, S or B), voltage (0 to 50 mV or 0 to 10V), or current (0 to 20 mA or 4 to 20 mA)
- Accuracy: 0.2% of full scale for Pt100, current and voltage; 0.25% of full scale $\pm 3^\circ\text{C}$ for t/cs type R,S and B; 0.25% of full scale $\pm 1^\circ\text{C}$ for all other thermocouples
- Input resolution: 14 bits
- Launch options: immediate, programmed time and date
- Stop options: when full, at a certain time, after a number of readings, or wrap around (overwrites first readings)
- Internal button and external signal input for stop/go
- Data acquisitions can be repeated daily
- Memory for 32,000 recordings in one channel or 16,000 recordings for each channel
- Infrared communication up to 1 meter away
- Recording interval: programmable from 1 s to 18 hours
- Built in real time clock
- Internal replaceable lithium cell (3.6V 1/2 AA)
- Estimated battery life: 200 days with one weekly download and 5 minutes measuring interval. Battery life depends heavily on data retrieval frequency.
- Switching circuit for powering remote transducers (only in IP65 version)
- Configuration and data retrieval software for Windows® XP, Vista and 7
- Operating temperature: -40°C to 70°C
- IP65 housing. Optional: IP67
- Dimensions: 70 x 60 x 35 mm

SENSOR TYPES AND RANGES

TYPE	CHARACTERISTICS
Thermocouple K	-90 to 1370 °C
Thermocouple J	-50 to 760 °C
Thermocouple R	0 to 1760 °C
Thermocouple S	0 to 1760 °C
Thermocouple T	-100 to 400 °C
Thermocouple N	-90 to 1300 °C
Thermocouple E	-40 to 720 °C
Thermocouple B	150 to 1820 °C
Pt100	-200.0 to 650.0 °C
0-10 V	Programmable Indic. -32768 to 32767
0-50 mV	Programmable Indic. -32768 to 32767
4-20 mV	Programmable Indic. -32768 to 32767

DATA ANALYSIS

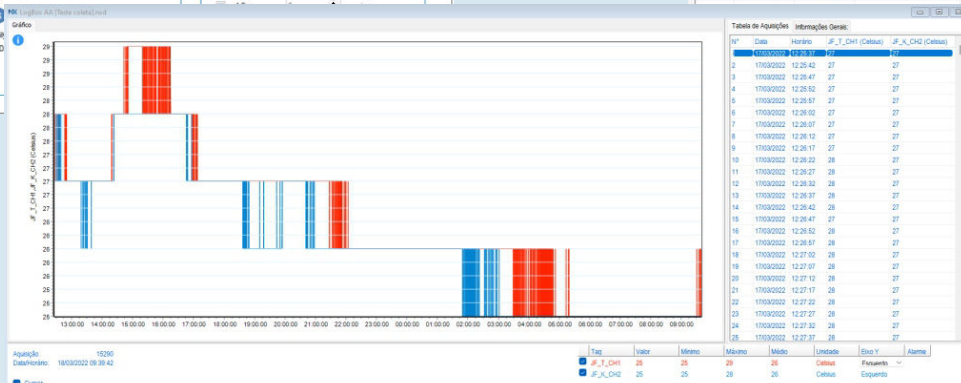
CONFIGURATION



TABLE

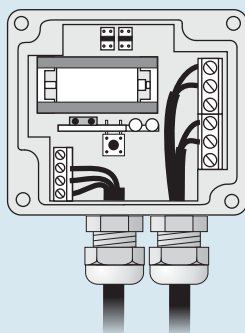
Tabela de Aquisições		Informações Gerais:		
N°	Data	Horário	JF_T_CH1 (Celsius)	JF_K_CH2 (Celsius)
1	17/03/2022	12:25:37	27	27
2	17/03/2022	12:25:42	27	27
3	17/03/2022	12:25:47	27	27
4	17/03/2022	12:25:52	27	27
5	17/03/2022	12:25:57	27	27
6	17/03/2022	12:26:02	27	27
7	17/03/2022	12:26:07	27	27
8	17/03/2022	12:26:12	27	27
9	17/03/2022	12:26:17	27	27
10	17/03/2022	12:26:22	28	27
11	17/03/2022	12:26:27	28	27
12	17/03/2022	12:26:32	28	27

GRAPHIC

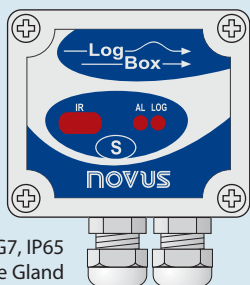


ELECTRICAL CONNECTIONS

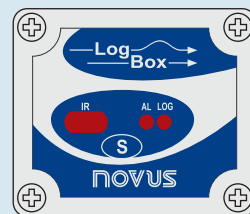
Standard Version



PG7, IP65
Cable Gland



IP67 Version



Quick-on
Connector

8mm IP67
Connector
1.2 m cable

DIMENSIONS

