

BKC-AT60 data logger is a multi-functional integrated data logger. It is designed to work with multiple sensors. It is compatible with any kind of radiometers including Kipp & Zonen's solar radiometers and industry standard meteorological instruments for wind speed & direction, temperature, relative humidity, barometric pressure, rainfall, etc. **BKC-AT60** logger is supplied with user-friendly computer software to make configuration fast and simple, using RS 232 serial communication. It has software for the configuration of logging functions and download and storage of the data on a Windows computer. The data files are in ASCII and can be easily exported to spreadsheets with date and time.

Features:



- Data storage up to 32GB.
- 3 x RS232 interfaces, 20-channel for analog inputs, 8 digital channels.
- Wiring made easy through removable terminal block.
- LDC Display with 4 row arrangement inbuilt.
- Inbuilt 2G/3G/4G GPRS Modem and GPS for Wireless communication

BKC-AT60 datalogger is compatible with nearly every sensors. This includes analog output voltage and current sensors, thermistors, RTDs and also compatible with pulse or frequency output sensor such as anemometers and rain gauges.

There is also an inbuilt facility in datalogger to protect it from lightening or voltage spikes

Technical Specification:

Analog channels	20x analog channel (4x Differential 16bit, 4x single-ended 16 bit and 12x more single-ended channels with 12-bit ADC)
Digital channels	8 x digital channels 4 x Pulse counter
Input limit	Up to 5000mv ,4-20mA,PT100,PT1000
Scan resolution	1sec, sample data average of 1min, 10m
Processor	32bit with 1GB inbuilt flash memory
Conversion Accuracy (ADC)	16 Bit, Sampling -10 Hz 24bit Optional
Data storage	- SD card: maximum 32GB (1GB standard) - The file in SD card is csv format
Communication	- RS 232, SDI12 - RS 485 Modbus - Ethernet communication (External module) - Quad-band GPRS modem with external antenna - LCD Inbuilt Display 1 USB Port for programming - Web interface through Ethernet
Real time clock	RTC real time clock with inbuilt lithium battery
Supply voltage	7V – 14V VDC
Power Consumption	200mA @ 12vdc
Switched voltage	12VDC and 5 VDC
Environmental Protection	IP 65
Physical size	- Size: 255mm*180mm*100mm - Weight: 0.4Kg
Operating temperature range	Temperature: -20°C to +60°C
Extended Temp with Enclosure	Temperature: -40°C to +75°C
Humidity Range	0-100%RH
Certification	CE certified Directive: EMC directive 2014/30/EU Standard: [EMC - Emissions] EN 61326-1:2013 and EN 61326-2-1:2013 [EMC - Immunity] EN 61326-1:2013 and EN 61326-2-1:2013 [Health and Safety] EN 60950-1:2001 [RF spectrum efficiency] EN 301 511:v9.0.2