



Solar Power on surface

Wind Energy



Floating Solar Power

We are headquartered in a 30,000 sq. ft. facility in Noida, Uttar Pradesh, and our corporate office is in Nehru Place, New Delhi, India. We are equipped with a Research Lab, Software Development Center, A Training Facility that accommodates up to 50 people and a 24x7 support centre.

We are ISO 9001:2015 : Certified by DNV and NABCB (QMS001) for design, development, supply and installation of IT-enabled turn-key solutions including software related to meteorological and environmental requirements.

BKC WeatherSys

Founded in 1990, BKC WeatherSys provides turn-key technology and service solutions for weather, power, aviation, agriculture and solar energy industries.

BKC Weathersys Pvt. Ltd. (formerly known as BK Consimpex Pvt. Ltd) is one of India's first private sector meteorology and environmental technology companies. We were the first private sector entity in India to provide operational weather forecasts.

Product Catalog

Our Mission is to provide quality instrumentation, software, and advisory services to a range of industries affected by weather. From weather satellite data reception systems, weather radar systems, meteorological instrumentation, forecasting workstations and software to solar radiation monitoring and forecasting services provide quality turn-key solutions

Corporate office & R&D Centre

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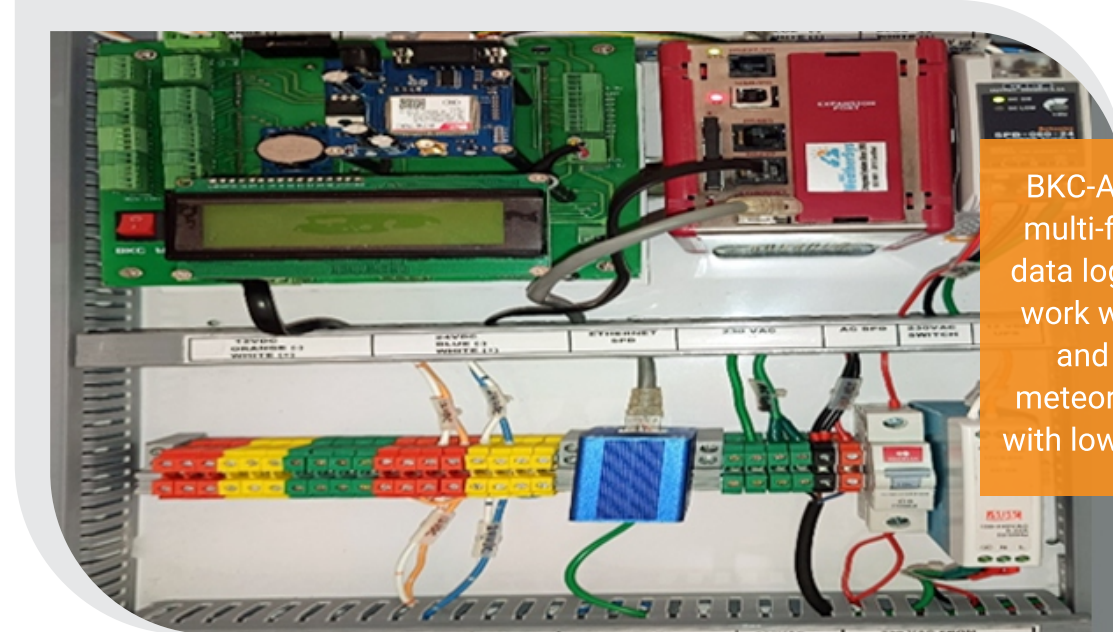
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BKC-DATA LOGGER



BKC-AT60 data logger is a multi-functional integrated data logger. It is designed to work with multiple sensors and industry standard meteorological instruments with low power consumption.

Suitable for WMS/AWS - BKC-AT60 logger using RS 232 serial communication port.

User-friendly software to configure logging functions faster and simpler. Configure web page for live data and to download data on a Laptop/ computer. The data files are stored in CSV format and can be easily exported to spreadsheets.

FEATURE

- High - Precision real time clock with GPS
- 2 x RS232 interfaces, 1 x RS485 interface, SDI12, I2C
- 20 channels for analog inputs & 8 channels for digital inputs, Pulse, Counter
- Wiring made easy through a removable terminal block.
- Inbuilt Display with 4 row arrangement.
- Inbuilt GPRS Modem can support 2G /3G / 4G network
- Inbuilt facility to protect from lightning and voltage spikes
- 32 bit processor with resolution of 16 bit
- 24 bit Modbus Output through Ethernet TCP/IP and RS485
- Inbuilt 1 GB Data storage up to expandable 32 GB.
- User defined sampling rate (1 sec, 1 min, 15 min etc)
- Auto ranging and 0 to 5000 mv with 4-20 mA facility.
- Remote data access through Internet and FTP
- Extended temp range -40 to 70 deg C and 0 to 100% humidity
- Highly Accurate data with 0.1% of full scale accuracy
- ISO and CE Certified
- External protection with IP-65 enclosure

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

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

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Kipp & Zonen, Netherlands



Pyranometers

Pyranometers are radiometers designed for measuring the irradiance on a plane surface, normally from solar radiation and lamps.



Sun Trackers

The Sun trackers are all-weather, reliable and affordable tracking and positioning instruments. Either as a dedicated Sun tracker or as a computer based Positioner.



METEON 2.0 (Data Logger)

METEON is an accurate hand-held unit to be used in combination with a passive (non-powered) radiometer to display and record measurements of solar irradiance.



RaZON+

RaZON+ is an all-in-one system that accurately measures both direct normal irradiance (DNI) and diffuse horizontal irradiance (DHI) from the sun and sky, enabling it to provide very reliable values of global horizontal solar irradiance (GHI) and sunshine duration.



Scintillometers

A Scintillometer measures atmospheric turbulence. The technique is based on the scintillation phenomenon in which heat fluxes cause variations in the refractive index of the atmosphere. This causes the 'shimmering' effect seen over a hot road.



RT1 Smart Rooftop Monitoring System

The rugged housing of RT1 simply fits to the corner of a PV panel and contains the digital electronics. It also houses a sensor that reliably measures the incoming plane of array solar irradiance. The plug-in temperature sensor is easily attached to the back of the panel. RT1 is the perfect solution for monitoring the efficiency of commercial rooftop PV installations.



DustIQ Soiling Monitoring System

DustIQ monitors the loss of light transmission caused by dust, sand, pollen, or any other particles on PV panels using Kipp & Zonen's new and innovative Optical Soiling Measurement (OSM) technology. The DustIQ has no moving parts and it does not need sunlight to operate.

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Sensors for WMS

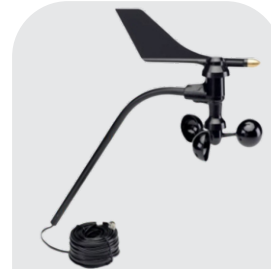


Sonic Anemometer

- Accurately measures wind direction and speed with no moving parts
- Solar-powered with battery backup
- Captures wind speeds from 0 – 89 mph/144 kph
- Uses sonic pulses to detect air movement

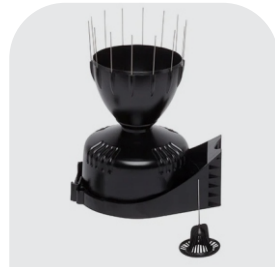
Anemometer

- Comes complete with mounting hardware, battery, aligning tool, and 40ft. (12 m) cable
- Wind-tunnel tested to 200 mph/322 kph



Temperature/Humidity Sensor with Radiation Shield

- Add a temperature/humidity sensor to your Vantage Pro2 or EnviroMonitor system.
- Use with a Sensor Transmitter or EnviroMonitor Node for flexibility in siting options.
- The temperature sensor's accuracy and range is $\pm 0.5^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}$) from -40° to 150°F (-40° to 65°C)
- The humidity sensor's accuracy is $\pm 2\%$.



Rain Collector

- Aerodynamic AeroCone and self-emptying tipping spoon provides accurate rain data.



Barometric Pressure Sensor

- Measurement Range 15 to 115 kPa (approximate)
- Sensitivity 45.0 mV per kPa; 0.45mV per 0.01 kPa (approximate)

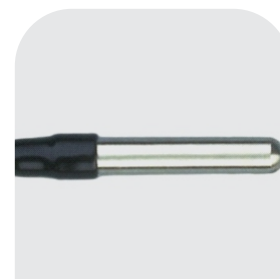


Solar Radiation Sensor

- Diffuser element and housing are carefully designed for accurate cosine response.
- Silicon photo diode provides good match to solar spectrum.

Stainless Steel Temperature Probe

- Multi-purpose temperature probe
- Measures temperature of air, soil or water.
- Features an electronic sensor sheathed in stainless steel.
- Comes with a 25-foot (7.6 m) cable.



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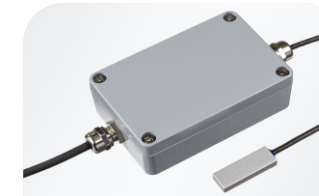
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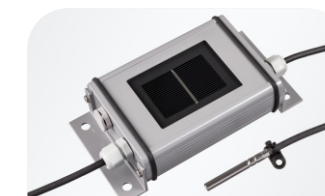
IMT Technology GmbH.



Module Temperature Sensor



Ambient Temperature Sensor



Solar Irradiance Sensor



Climasensors Ultrasonic Measurement

Lufft



Compact Weather Sensors



Wind Sensors/Anemometers



Precipitation Sensors



Snow Depth Sensors



Cloud Height Sensors

Barani Metro Innovations



1st Class anemometer



Combined Temperature & Humidity Sensors

Thies Clima

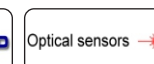


Clima Sensor US

Rotronic Measurement Solutions



Rugged Industrial Relative Humidity & Temperature Transmitter



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Spectrum Technologies

Fieldscout Wireless pH Probes

Lightscout PAR/DLI Meters

Fieldscout Portable Soil Moisture Meters



**3550C4 LTE-CAT4
Cellular Modern**



Watchdog weather stations



**3550DU
900Mhz Radio**

**3554WD1
Rain Gauge Logger**



Measures rainfall using a
tipping bucket rain collector

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Measures
Temperature
Relative Humidity
Rainfall
Wind Speed/Direction
Solar Radiation (ET)

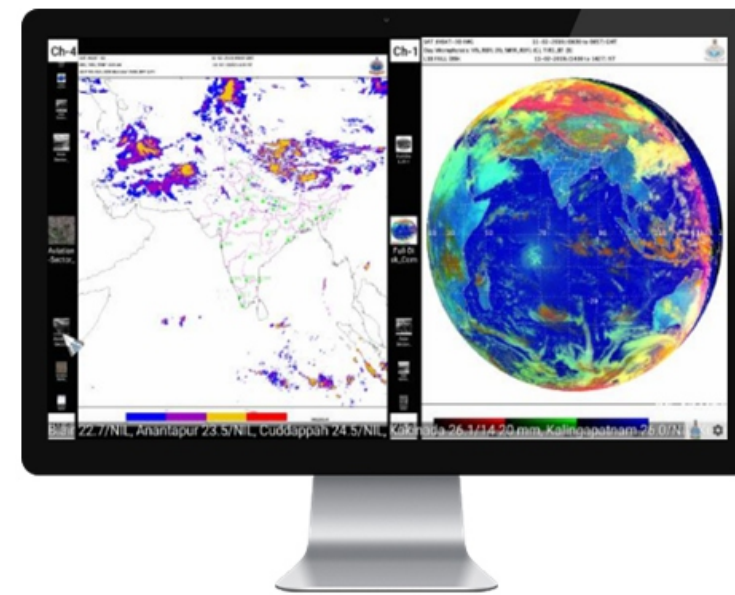
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Interactive Digital Display & Signage



- ✓ Ticker Texts
- ✓ Video Channels
- ✓ Image Channels
- ✓ Scrolling Texts
- ✓ RSS Feed
- ✓ Admin Panel



**Specially designed for
big office complexes,
hospitals, schools etc.**

The system includes Content Management System (CMS)

Our digital display and signage systems includes content management system (CMS) to help you manage your content in real-time. A CMS is either included in your digital signage system, downloaded, or cloud-based, allowing you to store, organize, target, schedule, edit, and deliver your content in one place.

We have designed and installed satellite image and display systems since 2002 for clients such as India Meteorological Department (IMD) and ISRO and ANTRIX Corporation.

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