

# AZUD IDLOG

Autonomous datalogger equipment for real-time monitoring of weather, soil and irrigation system operating parameters.

## Technical characteristics

- **Key attribute:** Real-time monitoring
- **Supply system:** Solar Panel
- **Signal type:** Inputs: 2 analog, 2 digital, 2 SDI-12
- **Models:** Datalogger equipment, Weather station
- **Weather station sensors:** Ambient temperature and humidity, Solar radiation, Rain gauge, Anemometer



## Unique selling points



### Sustainability

Self-sufficient power supply system through solar panel, with no external energy consumption



### Precision

It includes integrated humidity and temperature probe, with real-time reading through an intuitive digital platform

In its meteorological version, it allows the integration of all key weather parameters in a single support



### Robustness

Designed for outdoor environments and adverse weather conditions

## AZUD DLOG 600e

| Datalogger                                 | AZUD DLOG 600e                                                                                                                                      |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply                               | Self-sufficient with a solar panel and battery                                                                                                      |
| Connection type                            | Quick connector                                                                                                                                     |
| Number of connectors                       | 6                                                                                                                                                   |
| Digital inputs                             | 2                                                                                                                                                   |
| Analog inputs                              | 2                                                                                                                                                   |
| SDI-12 inputs                              | 2                                                                                                                                                   |
| Environment temperature and humidity probe | Integrada                                                                                                                                           |
| Calculation of agronomic variables         | Evapotranspiration (ET <sub>o</sub> and ET <sub>c</sub> ), vapor pressure deficit (VPD), water deficit (WD), dew point and chill hours accumulation |

SIM card not included

Access the Ucrop platform to view readings in real time

## WEATHER STATION - What's included?

| Datalogger       | AZUD DLOG 600e |
|------------------|----------------|
| Pluviometer      | Digital        |
| Radiation sensor | SDI-12         |
| Anemometer       | Digital        |

### Pluviometer



| Type of sensor     | Pluviometer                                                         |
|--------------------|---------------------------------------------------------------------|
| Measurement system | Self-emptying tipping bucket                                        |
| Resolution         | 0,1 mm per pulse                                                    |
| Accuracy           | ± 2 %                                                               |
| Collection area    | 200 cm <sup>2</sup>                                                 |
| Tipping time       | < 300 ms                                                            |
| Output type        | Voltage-free contact (reed switch)                                  |
| Material           | UV-resistant ASA. Electronic protection with anti-corrosion coating |

Designed for precise precipitation monitoring in automated agricultural facilities.

### Solar radiation sensor



| Type of sensor | Solar radiation sense                    |
|----------------|------------------------------------------|
| Power supply   | 12 – 24 VDC                              |
| Output type    | SDI-12                                   |
| Connection     | V+: red / V-: green/black / Data: yellow |
| Spectrum       | 300 – 1100 nm                            |
| Range          | 0 – 1500 W/m <sup>2</sup>                |
| Response time  | ≤ 5 s                                    |
| Correction     | ≤ ±10 % (solar elevation angle)          |
| Non linear     | ≤ ± 3 %                                  |
| Temp. effect   | ± 0.08 %/°C                              |
| Stability      | ≤ ± 2 %/año                              |
| Work Temp.     | -40 – +80 °C                             |
| Material       | Aluminum alloy                           |
| Protection     | IP65                                     |

The sensor must be installed outdoors without any covering and must be mounted horizontally.



## Anemometer

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Type of sensor                    | Anemometer                                 |
| Power supply                      | 3 - 24 VDC                                 |
| Output type                       | Frecuency (pulses)                         |
| Range                             | 3 - 180 Km/h                               |
| Starting speed                    | 8 Km/h                                     |
| Max. speed                        | 200 Km/h                                   |
| Accuracy                          | 1 Km/h (3 - 15 Km/h)<br>3% (15 - 180 Km/h) |
| Storage temperature               | -35°C a 80°C                               |
| Operating temperature without ice | -20°C a 80°C                               |
| Degree of protection              | IP65 (UNE 20324:1993)                      |
| Material                          | Glass fiber reinforced polyamide           |
| Bearing material                  | Stainless steel                            |

It indicates wind speed, ideal to be used at any type of agricultural installation.

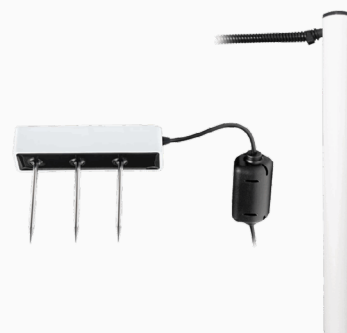
## Related products



AZUD QGROW logic



AZUD QGROW flex



AZUD SENSE

