

# Technical Data

## A511 Sensor Testbox



We have developed the A511 Sensor Test box to facilitate the maintenance of ADCON RTU's in the field or office. With the A511 you can test analog and SDI-12 sensors, pulse counters and solar panels, modify SDI-12 sensor addresses and check for vendor IDs, and much more. The old time-consuming process of dragging batteries and adapter cables along, and hook the sensors up to standard testing tools is a thing of the past. This has just become a whole lot easier!

The A511 features the same 5-pin and 7-pin connectors as the ADCON RTU's. ADCON analog and SDI-12 sensors, rain gauges and solar panels can thus be connected directly to the A511. For SDI-12 sensors you need an adapter cable from 7-pin to 5-pin, which is now included with the A511. This cable can also be ordered separately. As an option for other SDI-12 sensors we offer a 5-pin cable with cage clamps to connect to any SDI-12 sensor with open wire ends.

To power the sensors it features an internal 9V battery, which can be sourced almost anywhere. The latest version of the A511 will also work with all standard ADCON 6V battery packs.

Connectors	2 x 7-pin female M9 Binder 1 x 5-pin female M9 Binder
Analog inputs	6 x 0 - 2.5V
Pulse inputs	2 x standard reed switch with internal pull-up to 3.3V
Digital inputs	2 x 0 - 3.3V TTL
Solar Panel inputs	1 x max. 15V
SDI-12 sensor ports	1 x
SDI-12 supply voltage	5.5 ... 16V

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SDI-12 supply current	max. 500mA
SDI-12 Data	3.3 ... 5V
Supported SDI-12 Addresses	0 - 9; A - Z; a - z
Resolution of ADC	12 Bit
Keypad	foil, 6 keys
Display	LCD, green, 16 characters, 3 lines
Power Supply	9V Alkaline Battery all Adcon 6V RTU batteries
Dimensions	145 x 85 x 38 mm LxWxH

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We reserve the right to make technical changes and improvements without notice. V-26/04/2024  
ADCON Telemetry, Austria

