

A511 Sensor Testbox

The A511 Sensor Testbox is a handheld unit, designed to facilitate the maintenance of Adcon sensors and components in the field and the office. The A511 features two 7-pin Binder connectors, accepting all Adcon analog sensors and pulse counters. It also features a 5-pin port, compatible to all Adcon solar panels, but at the same time featuring an SDI-12 bus to connect standard SDI-12 sensors.

The analog ports make it easy to compare sensors against a reference instrument - connect both at the same time and toggle between ports to compare readings. A511 also checks the power consumption of sensors. Using the pulse inputs rain gauges can be tested and calibrated.

The 5-pin port accepts solar panels and will show their power and current output. Through the 5-pin to 7-pin adapter cable, which comes with the A511, all current Adcon SDI-12 sensors can be attached to the device. A511 will read the sensor's meta data, such as manufacturer, model and serial number, trigger readings, and allow you change the sensor's SDI-12 address.

A 3-line display shows all data and makes navigation with the simple keyboard easy. To power sensors A511 holds an internal 9V battery, which can be sourced almost anywhere and can easily be replaced.



A511 Sensor Testbox

Applications

- Testing analog sensors and pulse emitters (such as rain gauges)
- Testing solar panels
- Testing and configuring SDI-12 sensors



Internal 9V Alkaline Battery

Technical data

Dimensions	145 x 85 x 38mm (L x W x D)	Digital inputs	2 x 0 ... 3.3V TTL
Weight	210 g (incl. 9V battery)	SDI-12 Inputs	1 x 5-pin f. M9 Binder
Protection class	IP54	SDI-12 supply voltage & current	5.5 ... 16V / max. 500mA
Display	Green LCD, 16 characters, 3 lines	SDI-12 address range	0...9; A...Z; a...z
Keypad	foil; 6 keys w/ dual assignment	Included	9V battery; cable 800.511.005
Battery	Internal 9V alkaline battery	Ordering Information	
Connectors	2 x 7-pin f. M9 Binder (=Adcon RTUs) 1 x 5-pin f. M9 Binder (=Adcon RTUs)	200.733.511	A511 Sensor Testbox
Analog inputs	6 x 0...2.5VDC with 12-bit resolution	800.511.001	SDI-12 Adapter cable: 5-pin to crocodile clamps
Pulse inputs	2x; with internal pull-up to 3.3V	800.511.005	SDI-12 Adapter cable: 5-to-7-pin
Solar Panel inputs	1x; max. 15V		