ADCON
TELEMETRY
SMART WIRELESS SOLUTIONS

A511 Sensor Test Unit

The A511 Sensor Test Box has been developed to meet the demand for a simple to use device with which to test a variety of Analogue and Pulse output sensors. The A511 may also be used to test the output of Adcon's solar panel or to test SDI-12 compatible sensors.

VERSATILE SENSOR TESTER

The A511 Sensor Test Box is fitted with two standard Adcon 7 pin Binder inputs connectors. Each carries 3 off 0-2.5V analogue inputs and a pulse counter input. The input circuit has been designed to replicate as closely as possible that of the Adcon RTUs, to ensure consistency in readings taken between the two devices.

A 5 pin Binder input is provided for solar panel testing and for connection to SDI-12 sensors. Plug a solar panel in to the connector and you can measure the panel's output voltage and charge current, easily detecting faulty panels.

The A511 may also be used for configuration and testing of SDI-12 sensors. An adaptor cable which converts from Adcon 7 pin Binder to the 5 pin Binder format is supplied with the unit. This allows Adcon supplied sensors to be tested easily. An adaptor cable with 5 pin Binder plug and Alligator connectors is also available for testing of third party supplied sensors.

When SDI-12 mode is selected you can read the sensor information, change the sensor address and make a manual measurement using one of the available measurement modes.

Technical Data

Dimensions	140 x 80 x 30 mm	Display	3 line LCD
Weight	200g	Enclosure	IP55
Power Supply	9V PP3 Alkaline Battery or Adcon 6V NiMH battery pack	Sampling Modes	Permanent Instantaneous Averaging
Inputs	2 off Standard Adcon 7 pin each with:	SDI-12 Mode	Address Change Read Sensor Information Manual Measurement
	3 off 0 - 2.5V Analogue		
	1 off Pulse Counter	Resolution	Analogue: 12 Bit Pulse : 16 Bit
	1 off Adcon 5 pin Binder with:		
	Solar panel Voltage	Ordering Information:	200.733.511 A511 Sensor Test Unit with 5-7 pin adaptor cable 800.511.001 3 Wire SDI-12 Test Cable
	Solar panel Current		
	SDI-12		