Technical Data
A723 addIT Series 4

ADCON

A723 addIT Series 4 radio modem

- **Device type**

- **Product highlights**
  IP-67; Ultra low power design; Cost effective solution if a number of sites are close to each other; 1km radio range

- **Data transmission**
  Radio communication (432-470MHz), 10mW

- **Sensor interfaces**
  6 analog 0 ... 1/2,5VDC (3 channels also support 0 ... 150mV); 2 pulse counter (2x 30Hz counters); 2 digital I/O (expandable with A553 up to 14 digital I/O's), 40 SDI-12 values

The A723 addIT is Adcon's best selling RTU - a very compact yet powerful integrated data logger with a 10mW UHF modem inside. In its robust aluminum case and a wealth of I/Os it is suitable for a large variety of applications, from agriculture to water management, from hydrographics to municipal leak detection.

Mechanics:	
Case	Aluminum, powder-coated
Protection type	IP-67
Dimensions & Weight	100 x 70 x 40 mm; 450g
Connectors	2 x Binder M9 7-pin female (Sensor)
	1 x Binder M9 5-pin female (Power)

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Mounting	Mast mounting bracket
Temperature range	-30°C ... +70°C

Logger:	
Power Supply	internal 6.2V NiMH battery w. 2200 mAh, charged by solar panel or mains adapter
6 analog inputs	0...2.5 V with 12-Bit resolution or 0...1V with 11-Bit resolution
2 counter Inputs	for standard reed switches as used eg. in rain gauges or water meters. Max. frequency 30 pulses per second; min. pulse length 17ms, min. break time 17ms
SDI-12 port:	On-Board via I/O port A. Accepts up to 40 sensor values
2 Digital I/O's	Configurable as either TTL-inputs for status control or as TTL-outputs to switch a relay (might require relay amplifier interface ADI-24)
Sensor Excitation	Stabilized: adjustable from 3.3V to 5.5V Unregulated: feeds battery voltage to the sensors, from 5.6V to 7.5V
Memory	64KB for up to 20.000 readings (dep. on type of sensors attached)
Radio:	
Transmission distance	up to 1.000 m (depending on topography)
Tx Output Power	10mW
Rx Sensitivity	-110dBm
Frequency range	432 ... 470MHz
Type Approvals	R&TTE, CE, FCC, Ind.Canada, ACMA Australia