



A723 addIT

Versatile radio logger with ultra- low power consumption

The A723 addIT is a versatile RTU (Remote Telemetry Unit) with an integrated 10 mW radio module. Its extremely low energy consumption allows for permanent solar powered operation.

The A723 addIT features 10 I/O's and can acquire and reliably transmit analogue sensor values, meter pulses, or digital status reports over distances of up to 1.000 meters. Measurement and transmission intervals can easily be adjusted.

A robust IP-67 housing ensures year-round operation even in harsh environments. A723 is fully compatible to Adcon's long distance transmission units A731 addRELAY, A733 addWAVE and A740 addNODE and can thus easily be integrated into existing networks.

Just like its bigger brothers from the current A73x series the A723 addIT contains all major components – data logger, radio, power supply -in a single, compact aluminum enclosure, thus making separate external enclosures obsolete.

Installation in the field becomes a very straightforward procedure - fix it to the pole, connect the solar cell and the sensors - done!

The optional A506 SDI-12 Adaptor makes the A723 addIT even more competitive. Up to 20 additional sensors can be attached via an SDI-12 connection (provided they either have a very low power consumption or bring their own battery pack). Imagine this to be 5 multi-level soil moisture probes, featuring four sensors each, or a big multi-parameter probe for water quality monitoring, which outputs anything from temperature, level, and pH to EC, turbidity and VOC's.

Technical Specifications

Dimensions	100 x 70 x 40 mm 3.9 x 2.8 x 1.6 inch
Weight	450g (0,99 lb)
Protection Type	IP-67
Transmission Distance	max. 1km (3.000 ft.)
Power Supply	internal 6.2V NiMH battery, charged by solar panel or mains adaptor
Analog in	6 x 0-2.5 V
Resolution	10-bit
Counters	2 x pulse
Counter speed	max. 30/sec
SDI-12 Bus	Optional A506 Adaptor required; supports 20 sensor values
Digital I/Os	2 x TTL in or out
Memory	16KB = (up to 10.000 readings)
Connectors	2 x Binder M9 7-pin f. 1 x Binder M9 5-pin f.
Mounting	Mast mounting bracket
Operating temperature	-30°C - +60°C -22°F - +140°F
Tx Output Power	10mW
Rx Sensitivity	-102dBm (12 dB S/N)
Operating frequency	432 - 470MHz
Approvals:	R&TTE, CE,FCC Ind. Canada, AUS