

A723 addIT Series 4

Our new generation of the successful A723 addIT RTU has just received a major power boost. More memory, 4-times the resolution, integrated SDI-12 adapter, 4-times better radio sensitivity, 30% more battery capacity and much more. This makes the addIT the ideal add-on to an A733 weather station, be it for soil moisture monitoring, the observation of temperature pockets, be it for water level monitoring or meter reading.

Application

- Allround-RTU, extremely compact, extremely rugged, extremely low-power
- Perfect for soil moisture monitoring
- Makes an economical weather station



Technical data

Dimensions	100 x 70 x 40 mm 3.94 x 2.76 x 1.57 in	Resolution	12-Bit @ 0 - 2,5 V ; 2x 50Hz pulse counter
Weight	450 gr. (1 lb.)	Sampling Interval	User-specific (from 10 sec. to 12 h)
Ingress Protection class	IP-66	Measuring method	synchronous & asynchronous
Temperature range	from -30°C to +70°C (-22°F to +155°F)	Sensor excitation	stabilized between 3.3V and 5.5V or unregulated batt.V (programmable)
Case	Powder-coated aluminum	Internal memory	64KB for up to 20.000 values
Screw connections	Flange sockets of nickel-plated brass, stainless cover screws	Operating time	up to 14 days (without charging) Depends on slot time, transmission rate., and type of sensors.
Connectors (all connectors IP66 if properly mated or capped)	2x Binder M9 7-pin to sensors 1x Binder M9 5-pin to solar cell / power supply	Frequency range	432 - 470 MHz
Power supply	6,2 V NiMH battery 2.100 mAh + solar cell / mains adapter	Rx Sensitivity	-110 dBm
I/O-Ports	6x analog in (0 - 1/2,5 VDC; including 3x 0 - 150mV) 2x pulse counter 2x digital in/out (0 - 3V TTL) 40x SDI-12 values	Tx Output Power	10mW
		Transmission distance	up to 1km
		Antenna	Omnidirectional whip, 2dBi
		Type approvals	R&TTE, FCC Part 15, RA Australia, Industry Canada, etc.