

Technical Data

A755 addSDI GPRS V2 - discontinued



A755 addSDI GPRS V2

- **Device type**
Remote Transmission Unit
- **Product highlights**
IP-67 ;Ultra low power design ;Cost effective solution in case of using digital sensors (SDI-12 / Modbus), digital I/O's and counters ;Large integrated memory (2MB equals 6 months of data for usual 15 minute interval values)
- **IP-communication**
GPRS, 3G
- **Sensor interfaces**
2 pulse counter (2x 30Hz counters): 2 digital I/O (expandable with A553 up to 14 digital I/O's): 40 SDI-12 values: Modbus support via adapter
- **Data transmission**

The A755 addSDI GPRS RTU in its version 2 was developed to provide users of SDI-12 sensors with an inexpensive means to log and transmit up to 40 SDI-12 values of environmental data, while at the same time providing 2 pulse inputs, e.g. for water meters and rain gauges, and 2 digital TTL ports which are custom configurable either as in- or as outputs.

IMPORTANT: A755 addSDI GPRS RTU is discontinued

Please check the alternative: [ADCON SERIES 6 RTU](#)

1-3

We reserve the right to make technical changes and improvements without notice. V-06/04/2020
ADCON Telemetry, Austria



Technical Data

A755 addSDI GPRS V2 - discontinued

Mechanics:	
Case	Aluminum, powder coated
Protection class	IP-67
Dimensions and weight	160 x 60 x 80 mm / 6.3 x 2.4 x 3.1 inches 1150g / 2.4lb.
Connectors for sensors and power	2 x M9 female 7-pin to sensor 1 x M9 female 5-pin to power Made in Germany by Binder IP-67 protection class Sockets: brass, nickel plated, with gold plated socket contacts Protective cap
Antenna connector	TNC with external seal, water tight , Made in Germany
Mounting	Mast mounting bracket integrated
Operating temperature	-20°C ... +65°C / -4°F ... 149°F -30°C ... +75°C / -22°F ... 167°F extended temp. range upon request

Logger:	
SDI-12	Up to 40 values can be addressed
Modbus	optional; via internal interface board
Counter Inputs	2 for standard reed contacts; electronically debounced, e.g. for rain gauges; max frequency up to 50 pulses per second; min. pulse length 10ms, min. break time 10ms
Digital I/O ports	1 x 3V TTL and 1 x 5V TTL Both I/Os configurable as either inputs or outputs
Data Memory	2MB for up to 500.000 readings; 4MB: optional - up to 1 Mio readings; this is not a retrofit, but needs to be installed ex factory

Data transmission:	
Frequencies	900 & 1800 MHz (Europe) and 850 & 1900 MHz (Americas)
Modem	Telit G24 Telit H24 upon request
SIM-Cards	small footprint
Security	SIM-Cards are PIN-Code protected
Connection types	- GSM: CSD Circuit Switched Data - GPRS - UMTS: optional
GPRS Connection Frequency	User selectable: - permanent connection - connect from 1 x per minute to 1 x per day
Antenna	Omnidirectional, +2dBi, TNC, waterproof

General:

Technical Data

A755 addSDI GPRS V2 - discontinued

Power supply	internal 6.2V battery, charged by solar panel or mains adaptor; optional: non-rechargeable Lithium-Thionyl battery (to operate the RTU w/o solar panel)
Battery	Panasonic high-temperature industrial grade NiMH battery, 3.300mAh
Type approvals	FCC, R&TTE, CE, Industry Canada, ACMA Australia