

A757 GPRS AMR

The A757 GPRS AMR has been designed to meet the needs of applications such as remote meter reading and rainfall monitoring.

The A757 is fitted with a single pulse input which can be used in two modes: pulse count or event recording, the latter making it ideal for rain intensity monitoring. The A757 is housed in a robust aluminum case. Sensor and power connections are made using waterproof Binder connectors. Power comes from an internal NiMH battery which is charged using a compact solar panel. A single use Lithium-Thionyl battery is also available.

Applications

- Remote Meter Reading
- Rain intensity monitoring networks
- Flood warning networks



Technical data

Dimensions	160 x 60 x 80 mm
Weight	1.150 g
Ingress Protection class	IP-67
Temperature range	-30°C to +65°C
Case	powder-coated aluminum
Screw connections	flange sockets of nickel-plated brass, stainless cover screws
Connectors (all connectors IP67 if properly mated or capped)	1x Binder M9 7-pin to Pulse counter 1x Binder M9 5-pin to solar cell / power supply 1x TNC Antenna connector
Power supply	6,2 V NiMH battery 3.100 mAh + solar panel / mains adapter
I/O Port	Pulse counter (normally open)
Slot times	user specific (from 10sec. to 12h)
Rain intensity feature	time-stamps each pulse
Internal memory	2MB for up to 500.000 values

Operating time (without charging of internal battery)	in standard mode up to 21 days, in power-save mode up to 6 months; depends on transmission rate
Frequency range	850 / 900 / 1800 / 1900 MHz
Rx Sensitivity	-106 dBm
Tx Output Power	max. 2 W (depends on frequency)
Transmission distance	max. 36km as per GSM standard
Mounting	integrated mast-mounting bracket
Antenna	omnidirectional quad-band, 2dBi
Type approvals	R&TTE, FCC Part 15, ACMA Australia, Industry Canada, etc.
Ordering Information:	
100.757.010	A757 GPRS AMR
200.733.522	Solar Panel, 460mA
900.000.187 / 188	Cable to Pulse output, 5m / 15m
900.000.200 / 201	Cable to Pulse output, 10m / 20m
900.000.567	ext. GSM antenna for mast mounting