

RTQ-2000™

Real Time Portable Flow Logger & GPRS Transmitter



The RTQ-2000™ is a revolutionary device connecting directly to the Open Channel Non-Contact RAVEN-EYE® Radar Velocity flow sensor.

The RTQ-2000™ has the capacity of transmitting the flow data, raw level, velocity, temperature from most manholes without special manhole cover into the Internet using GPRS data communication technology.

Data is available for visualization and download in Excel format from any Internet browser.

SMS (option) and E-mail alarming are possible. Automatic Data transfer to an existing data base is possible using XPATH module.

Technical Specifications

Supported Sensor

Open channel non-contact RAVEN-EYE® radar velocity sensor

General Attributes

Dimensions	100 W x 100 D x 351 H mm (antenna included) 100 W x 100 D x 240 H mm (without antenna)
Material	Noryl® outer shell with high resistance against chemicals
Protection	IP67
Installation	Vertical
Weight	1,7 kg
Operating Temperature	-20 to +50 °C
Storage Temperature	-20° to +60°C
Battery charge Temp.	0 to +40°C
Battery Type	AP424D Lithium-Ion 4,1VDC 19,2 Ah, rechargeable
Battery Life	6 weeks ¹ at 20°C ¹ Defined at 5 minutes recording interval and 2 hours transmission interval
Battery Charger	AC wall outlet charger

Setup/Data Retrieval

Internet platform:

Multilevel password protected web-based platform for remote site & flow meter configuration, data download, data management and report generation for wireless flow meters.

Software:

RTQ-Log PC software is required for site & flow meter configuration, data download, data management, and report generation.

Data format available: .tsv, .csv & .fs1

Automatic data transfer to existing data base is possible using the XPATH module.

Local Communication

USB for site and logger configuration and data retrieval

Remote Communication

Wireless modem; GPRS technology with a mobile provider (requires GPRS enabled SIM card from provider for data).

LED Modem Indicator

Flashes green during normal operation

Flashes red when an attached sensor does not agree with the logger program, when an expected sensor is not found, when the sensor is not working properly or the logger has connection issues.



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AP424DA

Li-Ion Rechargeable Battery Pack

Technical Specifications

Data Storage

Memory	440.000 measurement cycles
Datalog channels	16
Time-based accuracy	±0,002%, synchronized at every transmission with server software and modem

Certifications

Electromagnetic compatibility:	EN61326 class B
Safety requirements:	EN61010-1
Logger & battery:	CE
ATEX	II 3G Ex nC [ic] IIB T4 Gc

Accessories

Rechargeable battery AP424DA
Charger
USB-cable
Magnetic key fob
O-ring grease

Options

Mounting rack
Anti-theft device
Antenna extension 5m



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*Specifications are subject to change without notice
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