



V.A.D Technical Engineering and  
Investment  
s.r.o.

Self-powered  
Telemetry Modules

# VAD vdTel-5



**5 and 10 years of autonomous operation** (1200 and 2100 sessions warranty)



**Built-in sim card/sim chip** and prepaid traffic for 5 or 10 years of operation (10 years - 3,650 days on call)



**Maximum durability printed circuit boards** with immersion gold plating finishes



**Coating of boards with "Vixint" varnish** (maximum protection against moisture, can be submerged under water)



**"Watchdog" magnetic sensor** (protection against tampering by magnetic field)



**Rigid fixation with aluminum rivet** (mechanical protection against removal)



**Location change identification** (protection against reinstallation or tampering)



**Minimum communication session, less than 1 sec.** (data packet cannot be intercepted and spoofed)



**Identification on the server** (protection against spoofing by unique IMEI)



**LowPower microprocessor** power consumption 0.003 mA (5/10 years operation warranty)



**Built-in OS between microprocessor and GSM** (up to 10 times shorter transmission packet generation time)



**Instant replacement under warranty with no service intervals** (guaranteed replacement stock in dealer's warehouse)



**Adaptive algorithm of repeated GPRS sessions**, protection against battery discharge (protection against GSM GPRS network unavailability)



**Highly sensitive magnetic sensor** (no rattles or malfunctions)



**Low temperature Li-Pol battery** (data transfer to server even at -35°C)



**The device is fully ready for operation** (no settings are required, only entering initial readings in the server's personal cabinet)



**Barcode on the housing** for automatic identification of the device with the ability to recognize readings



**Support of all GSM operators** (internal APN table of all cellular operators)



**Top level - integration with "Global Secure IoT telemetry data collection Platform"**



**Certificate of product compliance** with industry standards



V.A.D Technical Engineering and Investment s.r.o.

We're ready for mutually beneficial partnership, full/partly copyright transfer, free source code training, deployment of production in the country of a customer.



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