Pietro Fiorentini

AQUALOG T-CNT

AQUALOG T-CNT is a pressure controller designed to operate in the context of a water network organized in districts. Also monitors pressures, flows, levels and temperatures.

AQUALOG T-CNT, given its rugged design, can operate in locations characterized by strong environmental difficulties and where there is not availability of electricity.

AQUALOG T-CNT, battery powered, is designed to operate in a very low power consumption.

- Water reservoirs
- Water pressure and flow monitoring systems
- Water quality samplers
- Flow meters
- PRV control valves

Features	Values
Analogue inputs (AI)	2 mV inputs for piezoresistive pressure/level sensors 2 4-20mA level inputs (active or passive) for pressure, flow rate, 2 inputs for temperature sensors PT1000/PT100
Digital inputs (DI)	4 inputs configurable as status variables or counters, 2 of which can be configured for flow rate calculation
Digital outputs (DO)	2 open collector outputs for PRV regulation (dedicated power supply)
Power supply	- Internal with 4 or 7 cell lithium battery pack – 5 or 10 year life in standard mode* - External via DC/DC 9-36 Vdc. Source: power grid, solar panel, microturbine.
Communication vector	1 modem GSM / GPRS / 3G embedded with external antenna; 1 radio modem 169 - 868 MHz (optional)
Interface	USB mini B port
Communication protocols	MODBUS, IEC 60870-5-104, MQTT
Antenna	Internal integrated, external optional
Connectors	Cable glands with O-ring
Protection rating IP	IP 68 (immersion for 100 days at a depth of 1 metre)
Environmental conditions	from -25°C to + 60°C
Dimensions and weight	260x160x90 mm / 2 kg

Table 1 Features

Materials and Approvals

Features	Values
Body	Polyester
Connectors	AISI 304 stainless st
Clamping screws	AISI 304 stainless steel

Table 2 Features and values

AQUALOG AW is CE marked and complies with Directives 2014/53/EU (RED) and 2014/30/EU (Electromagnetic Compatibility).

RED EMC

AQUALOG T-CNT competitive advantages

- Hydraulic valve adjustment according to 6 modes
- Supervision
- Integrations with SCADA and WMS systems
- Local/remote configuration
- Alarms triggered by exceeding thresholds and/or reaching physical/logical states
- Periodic, scheduled or event-related communication

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