UNI-TRANS™

Universal Monitor For Different Sensors And Sensor Combinations

The UNI-TRANS™ is a universal monitor interfacing with multiple sensors and sensor combinations by using up to four RS485 digital serial interfaces with specific communication protocols for the new generation non-contact radar velocity RAVEN-EYE® sensors and ultrasonic transit-time FLO-SONIC™ sensors, up to eight analog inputs (0/4-20 mA) and up to eight digital inputs or any combinations of those.

Technical Specifications

Sensors Interface
4x	RS485 digital sensor interface
8x	Analog input 0/4-20 mA 16 bit
4x	Analog output 4-20 mA 16 bit with galvanic isolation (one active, three passive or 4x active without galvanic isolation)
8x	Digital input, counting pulse, 5-24 V isolated
4x	Relay output

Real Time Clock
Automatic synchronization, automatic Summer-Wintertime commutation

Data Logger
Minimum 1.000.000 measurements through all channels separate set-up for each recording channel possible, to be used in combination with the GPRS data transmission and 123Flow web-based platform for remote site configuration, data download / management and report generation.

Logging Interval
From 1 min. to 24 hours intervals freely adjustable (loop memory)

Local Communication
10 position sealed membrane Keypad
Multi-language menus: EN, DE, FR, etc.

Display
High resolution colour-graphic display; 320 x 240 pixels; back lit LCD; free selection of up to 4 main measurements; Min/Max indicators for main measurements; up to 3 additional measured values for each main value; colour change on malfunctions and alarms

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

Alarms
On-site through digital output
SMS alarm (optional with GSM/GPRS Modem)
E-Mail (with GSM/GPRS Modem)

Power Requirements
AC	100-230 VAC; max. 30 watts incl. sensors and modem
DC	12 and modem VDC; 24VDC

Housing
Dimensions	258 W x 237 D x 145 H mm
Material	ABS plastic, NEMA 4
Weight	±1,5 kg
Protection rate	IP65

FLOW-TRONIC sa/nv

www.flow-tronic.com

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Technical Specifications

Environmental Working Conditions
Operating temperature   -10 to +50°C
Storing temperature   -20 to +70°C
Humidity   20 to 95% r.H., not condensing

ATEX
Compatible with ATEX certified external level sensor when used with appropriate ATEX barriers compatible with ATEX certified FLO-SONIC™ sensors (with FLO-SONIC™ electronic)

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