2-WIRE TRANSMITTER, AC CURRENT OR VOLTAGE ATA4/ATV4 ATN4P/VTN4P ARDETEM SFERE



- Input: current (ATA4/ATN4P), voltage (ATV4/VTN4P), for alternate sinusoidal signals.
- Measurement of the average rectified value, calibrated in RMS.
- Output 4-20 mA (technical 2 wire).
- Supplied by the output loop.

Applications

- Industrial process control systems.
- Voltage and current supervision on engine loads.

Advantages

- No power supply / quick and cost effective wiring.
- Low input power draw / allows the use of low power transformers.
- Reduced casing / can be integrated in smaller less expensive switchboxes.
- DIN rail mounting / ensures fast and simple installing.



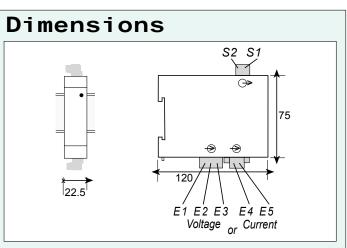
Operating temperature: 0°C to +55°C.

Storage temperature: -30°C to +70°C.

Disturbance immunity: IEC 801-3 level 3, IEC 801-4 level 4, IEC 801-6 level 3.

Complies with standards: IEC 61000-6-4 on emissions & IEC 61000-6-2: immunity (in industrial environment)

Complies with the European Directive (89/336, revision 92/31): **CE** marking



5251

Ø

ELECTION

ΤN

Housing: Self-extinguishing case of black UL94VO ABS Latching on symmetrical DIN rail.

Plug-off connectors for screwed connections (2.5mm², flexible or rigid)

Safened current input (1 and 5A) by screwed connector (for ATA4/ATN4P)

Dimensions: (H x L x D)

 $75 \times 22.5 \times 120 \text{ mm} (H = 108, \text{ with terminals})$

Protection : Case / terminals: IP 20

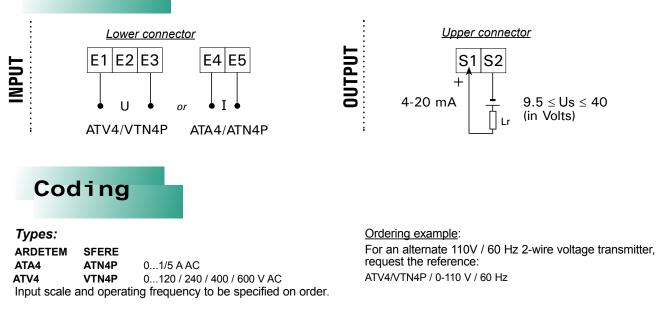
Weight: 147g (with packaging)



Technical features

		ATA	4/ATN4P	ATV4/VTN4P
INPUT	Calibers Overload Power draw Frequency	01 / 5 A AC (process calibration ava Measurable: 1,5 IN Permanent: 2 IN Instant: 10 IN / 10s 0.3 VA 50 Hz (±10%) or 60 I		0120 / 240 / 400 / 600 V AC (process calibration available as option) Measurable : 1,5 UN Permanent: 1,5 UN Instant: 2 UN / 10s 1 mA ac 50 Hz (±10%) or 60 Hz (±10%)
OUTPUT	Nominal value Output signal upper limitation Output signal lower limitation Us supply voltage in Volts (with reversed polarity protection and and LR max.:authorized load resistance) Ripple rate Accuracy rating		passive 4-20 mA isolated 30 mA 3.7 mA $9.5 \le Us \le 40$ with LR max. = (Us -9.5) / 20 mA ≤ 0.5 % of the measure range (peak to peak) 0.5 % of the measure range	
GENERALS	Influence of the temperature Response time Galvanic partition		0.02%/°C of the measure range between 0 and 55°C < 200 ms nominal (others on request) Input/output: 2.5 kV 50Hz 1 mn	

Wiring



This appliance is designed for industrial applications. It has to be mounted in an electrical cabinet, or equivalent.



e-mail : info@ardetem.com http://www.ardetem.com

Route de Brindas Parc d'activité d'Arbora N°2 69510 SOUCIEU EN JARREST FRANCE

Tél. : 33 (0)4 72 31 31 30 Fax. : 33 (0)4 72 31 31 31



CA CO2016/23 - A 12/16- Any data in this documentation may be modified without prior notice.