Zumbach

SWISS PRIME MEASURING SINCE 1957

AUTAC 300

Reliable Control of the Wire Temperature

Main Data — AUTAC 300

Temperature range	10° C up to 300° C (50...572° F)
Display resolution	1° C (33.8° F)
Wire diameter ranges	0.2...1.9 mm (.008... .07 in.),
	1.5...3.5 mm (.06 ... .14 in.),
	3.0...5.0 mm (.12 ... .20 in.),
	4.5...7.0 mm (.18 ... .28 in.)
Line speed max.	1500 m/min. (4921 ft./min.)
optional	2500 m/min. (8202 ft./min.)
Weight	2.5 kg (5.5 lbs.)
Ceramic wire guide	

• CE compliant

The AUTAC 300 is used for temperature measurement and control in applications with conductor preheating or post annealing stages. The system consists of a sensor and a processor unit. Non-contact and precise temperature measurement with "Convective Heat Flow Principle" from 10° C to 300° C on wires and cables with a diameter range from 0.2 mm to 7 mm (.008 in. to .28 in.).

The measurement is independent of influencing factors such as colour, emission, speed, material or surface structure meaning the wire. The measuring head is slotted and can be changed without interruption, there is no need to thread the wire.

LINE LAYOUTS / KEY SPECIFICATIONS

The AUTAC 300 sensor can be used in two ways:

Directly to a preheater for full integration and ease of operation. The system adds closed loop temperature control to the preheater. By mounting the sensor close to the extruder, any heat loss occurring between the preheater and the extruder can automatically be compensated for.
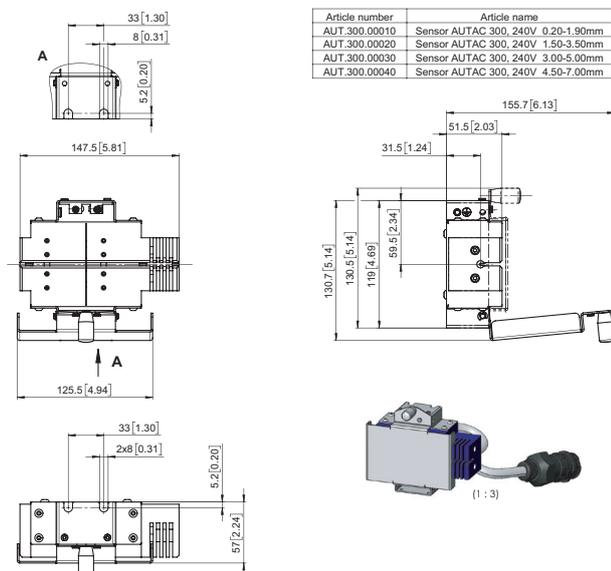
As a stand-alone device for measuring and displaying the wire temperature on the display integrated in the processor. Via host interface the AUTAC 300 can be connected to a host computer or to a PLC.

Preheater features – Full integration
- Closed loop control of the wire temperature through preheater processor of the AUTAC 300
- Operating and display integrated with the preheater
- Ethernet TCP/IP, RS-422 serial connection for host communication
- Analogue output: 0-20 mA, 0-10 V and ± 5 V
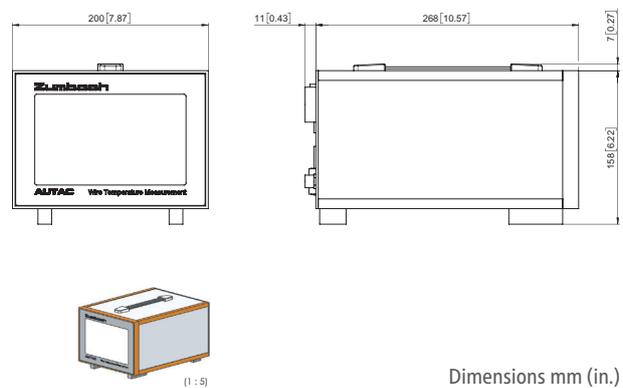
Features – Stand alone version
- Separate 19" rack mount processor or as table top
- Analogue input: 0-20 mA, 0-10 V and ± 5 V for the temperature set point
- Ethernet TCP/IP, RS-422 serial connection for host communication
- Analogue output: 0-20 mA, 0-10 V and ± 5 V, scaleable

DIMENSIONAL DRAWINGS

AUTAC 300 sensor

Article number	Article name
AUT.300.00010	Sensor AUTAC 300, 240V 0.20-1.90mm
AUT.300.00020	Sensor AUTAC 300, 240V 1.50-3.50mm
AUT.300.00030	Sensor AUTAC 300, 240V 3.00-5.00mm
AUT.300.00040	Sensor AUTAC 300, 240V 4.50-7.00mm

AUTAC 300 processor

Dimensions mm (in.)

• Technical specifications are subject to change without notice.

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