




Homologação  
 02696-15-09237 

The AcuMifare AM-07 reader is extremely functional in access control applications in companies, universities, condos, clubs or any other environment where it is necessary to read cards or labels of the AcuSmart line. The reader operates in 13.56 MHz, it has anti-collision function and three communication interfaces: Serial RS-232 TTL, ABA TK2 and Wiegand 26 bits. It has a modern design and is easy to install, combining with any environment.

Reading distance: up to 50 mm;

Frequency: 13.56 MHz;

Fast data transfer;

Weather resistant;

Three-In-One interface, with Wiegand, Abatrack and RS-232 interfaces;

High data integrity;

Easy to install.

#### Serial ASCII (TTL RS-232)

Baudrate: 9600 bps, no parity, 8 data bits, 1 stop bit.

STX (02 HEX)	DATA (10 CHARACTERS ASCII)	CR (0D HEX)	LF (0A HEX)	ETX (03 HEX)
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#### Magstripe (ABA Track 2)

Baudrate: simulated to 40 IPS (inches per second)

10-DIGIT SEQUENCE	SS	DATA (14 DIGITS)	ES	LRC	10-DIGIT SEQUENCE
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#### Wiegand (26 bits)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
P	S	S	S	S	S	S	S	S	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	P
	E	E	E	E	E	E	E	E	E	E	E	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
Bits (E) for calculation of Even Parity (P)												Bits (O) for calculation of Odd Parity (P)														



Frequency	HF - 13,56 MHz
Modulation	ASK
Protocol	ISO14443A
Card Read Range*	Up to 5 cm with AcuSmart Standard
Communication Interface	Wiegand 26 bits, Magstripe (ABA TK2) and Serial RS-232 TTL
Transponder	AcuSmart card and tag ID read only
<b>Electrical</b>	
Operating Voltage	5 to 12 VDC, typically with 12 VDC
Idle Current	65 mA @ 12 VDC

<b>Environmental</b>	
Index of Protection	Not applicable
Operating Temperature	-25°C to 65°C
Operating Humidity	10 to 90% non-condensing
<b>Physical</b>	
Dimension	47 x 83 x 16 mm
Net Weight	120 g
Installation	External surfaces

\* Considering power by regulated and stabilized source of 12 VDC, installation in environments without electromagnetic noise and without the presence of metallic surfaces near the reader.

**Purchase Code:**  
 100.071: AM-07 RFID Reader