

2020

ARSYS2 Hardware info

ARSYS2 (0.5 METER BAR) – POWER, MECHANIC, CONNECTORS, PACKAGE
ARAZIM LTD.

	Doc Name:	ARSYS2(0.5m BAR) Hardware info.docx		
	Doc Revision:	1.00	Date:	02/06/20

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1 Power Supply Information

1.1 Input Supply

Table 1-1: Power Supply

Signal Type	Min [v]	Typical [v]	Max [v]
DC	9	14	32

Consumption: Typical Current @ 14v, 800 mA (Tested with two DF6366 antennas)

2 Environment Information

2.1 Temperature & Humidity Limitation

Table 2-1: Temperature & Humidity Limitation

Environmental Specifications	
Temperature	
♦ Operating	-40°C to +70°C
♦ Storage	-40°C to +85°C
Humidity	95% non-condensing

3 Connectivity

3.1 Connectors

Table 3-1: Connectors informatin

Connector Name	Connector Type	P/N	Mate with
Power Data	D38999	D38999/24WD35PN	D38999/26WD35SN

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3.2 Power Data Connector – Pin Out

Table 3-1: Power Data Pin out

CON. P/N: D38999/24WD35PN	Description
PIN	
1	Power +
2	Power +
3	Shield
4	Power -
5	Power -
6	MAIN-RS232 PC-RX
7	MAIN-RS232 PC-TX
8	GND
9	GPS-RS232 PC-RX
10	GPS-RS232 PC-TX
11	GND
12	TBD
13	TBD
14	GND
15	TBD
16	TBD
17	GND
18	PPS Noninverting
19	PPS Inverting
20	GND (PPS)
21	TBD
22	TBD
23	TBD
24	TBD
25	TBD
26	TBD
27	TBD
28	TX+
29	TX-
30	RX+
31	RX-
32	GND_422
33	VDD_422
34	GND
35	Boot
36 => 37*	Short pin
37 => 36*	Short pin

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4 Compliance Table

Table 4-1: Compliance Table

Compliance (Design-To-Spec)	
Temperature	Mil-Spec-810-G Method 501.5 Procedure-II
Humidity	Mil-Spec-810-G Method 507.5 Procedure-II
Shock	Mil-Spec-810-G Method 516.6 Procedure-V
Vibration	Mil-Spec-810-G Method 514.6 Procedure-I, Category 4, Table 514.C6-IV
Rain	Mil-Spec-810-G Method 506.5 Procedure-I
Dust	Mil-Spec-810-G Method 510.5 Procedure-I
Salt/Fog	Mil-Spec-810-G Method 509.5
Altitude	RTCA/DO-160D, section 4, Par 4.6.1
Power Supply	MIL-STD-1275B
EMI/ RFI	MIL-STD461C/D
MTBF	>50,000 hours according to Mil-HDBK 217

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5 Mechanical Information

5.1 Weight and Dimensions

Table 5-1: Dimension

Parameter	Information
Weight (with DF6366 antennas)	3.8 Kg

5.2 Mounting Information

Figure 5-1: ARSYS2 (0.5 meter BAR) Top View



Four Mounting areas intended for M8 screws (Min. length 10 mm, Not Countersunk head)

Figure 5-2: ARSYS2 (0.5 meter BAR) Bottom View – Centering pins and leveling surfaces

Four Leveling surfaces

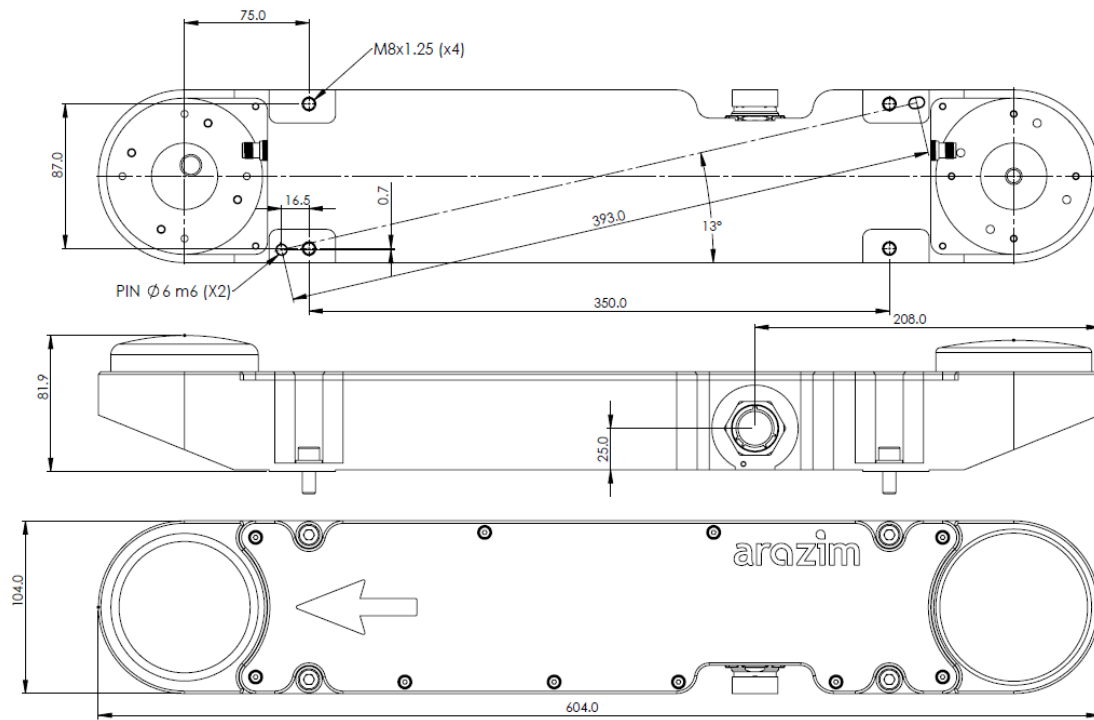


Two holes in the depth of 3 mm, for centering pins (DIN-EN-ISO-2338, D-6325 H6)

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6 Drawings

Figure 6-1: ARSYS2 (0.5 meter BAR) Drawings



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7 Package Information

Package contents may vary according to user parts order.

7.1 Package Weight and Outside dimension.

Package Outside dimension = 720 x 320 x 180 mm

Package Weight (without contents, empty package only) = 2.4 Kg

Figure 7-1: Package Drawings



Figure 7-2: Example of package contents

