

SPECIFICATION FOR ULTRASONIC SENSOR

TOTAL PAGE 07 www.bestarsensor.com

ROHS

Customer		Model Name	BPU13300IFAH09
Customer P/N		Product No.	100520
Date	31. Jul. 2012	Issue No.	BS/TEU01.344A
Page	01 of 07	Issue Date	2012/07/31

Approval:

- Applications
 Features
 Technical terms
 Drawing
 Beam Pattern
 Test Circuit
 Echo sensitivity/Ringing
 Notice
- 9.Packing
- 10. History change record

Drawn by	Checked by	Approved by	Customer approved
倪雪晴	邹东平	李红元	

BESTAR SENSORTECH CO., LTD

Room 706.No.178. YuLong South Road, Zhonglou district, ChangZhou,

JiangSuProvince,P.R.China

Tel: +86 519 88990131 *Fax:* +86 519 88990133

E-mail:<u>li@bestarsensor.com</u> <u>http://www.bestarsensor.com</u>

BPU13300IFAH09

1.Applications

- 1.1)Level measurement
- 1.2)Automation control
- 1.3)Proximity
- 1.4)Obstacle avoidance
- 1.5)Robotics

Η

G

F

E

D

в

2.Features

- 2.1) Rugged sealed constraction.
- 2.2) Cylindrical design allows for installation in various applications.
- 2.3) Short-range measurement capabilities.

3.Technical terms

This print and information there in are proprietary to Bestar Sensortech Co., Ltd. and shall not be used in whole or in part without its written content

Е

D

Item	Unit	Specification
Construction		Water Proof
Using Method		Dual Use
Center Frequency	KHz	300±15
Receive Sensitivity Echo	mV	≥800mV (driver signal:200Vp-p, 300KHz,at 20cm)
Capacitance	pf	300±25%at1KHz
Max.Input Voltage		400Vp-p
Directivity (-3dB)	o	10±2
Distance of Detection		0.04~1M
Protection class		IP65
Material		Aluminum
Operating Tem.Range	°C	-20 ~ +80
Storage Tem.Range	°C	-35 ~ +85

2012.07.31 Date: BPU13300IFAH09 倪雪晴 Drawn by: 2012.07.31 倪雪晴 А 邹东平 Checked by: Ultrasonic Sensor 李红元 Approved by: Date Drawn Note Rev. BESTAR SENSORTECH CO., LTD DRG NO: BS/TEU01.344A Page:2 of 7 www.bestarsensor.com li@bestarsensor.com

文件号: BS/QDTE045B





	6	5	4		3	2		う は 波 速
	0	5	4		5	Δ	1	
E	BPU13300	IFAH09						
	8. Notice							
	•	Control <for cu<="" td=""><td></td><td></td><td></td><td>of China> , for use in the desi</td><td>an</td><td></td></for>				of China> , for use in the desi	an	
	developmer (1) any wea	nt, production, upons (Weapon	utilization, mair s of Mass Des	ntenance of	r operation of,	or otherwise contril al or biological weat	oution to	
	-	conventional w	• •	rintondod	for militory on	d ugo or utilization l	ov militor	.,
	end-users.	systems speci	ally designed (nintended	for military end	d-use or utilization	by milliar	у
	the specifica	ation or catalog	ue for the app	lications lis	ted below, whi	before using the pr ch require especial	ly high	١
				•		e a third party's life, ations other than th		
	specified in	this specification	on.		- 1- 1			
		quipment or Ae a equipment an						
	,	equipment and			t (vehicles, trai	ns, ships, etc.)		
	d)Traffic sig	nal equipment	i Disaster prev	ention / cri	me prevention	equipment		
		cessing equipm is to the application	-		of similar com	plexity and/or reliat	oility	
		specifications ued without ad	•	s are subje	ct to change a	nd our products in t	hem may	/
				es or prod	uct engineers	before ordering. If t	here are	
	any questio	ns, please cont	act our sales r	epresentat	ives or product	t engineers.		
		ead rating and this specification	•	-	• •	g, soldering, mount	ing and	
	•	·			•			
						no responsibility wh fect of our and/or a		•
	party's intell	ectual property	rights and oth	er related i	ights in consid	leration of your use	of our	
						ations and catalogu third parties are au		S
		ghts mentioned				•	ulonzed	
	manufacturi	•	Ustances (UDS		e wontreat Pro	tocol are used in ou	11	
		2.						
			Dete		2012.07.31			
			Date Draw	n by:		BPU133	00IFAH09	
А	2012.07.31	倪雪晴		ked by:	邹东平	Ultrasoni	Sensor	
Rev.	Date	Drawn	Note Appro	oved by:	李红元		001301	
		ESTAR SENSO						

文件号: BS/QDTE045B



	10. Histo	ory chanę	ge record					
5	version	Change Items		Date	Drawn	Approved	4	
	No.	Before		After	2012.07.31	倪雪晴	李红元	
+								
7								
-								
3								
1								
2								
3								
						I		
Ļ				Date:	2012.07.31 倪雪晴		BPU13300IFA	H09
4		Drawn by: 倪雪晴 12.07.31 倪雪晴 Checked by: 邹东平 Ultrast						