



- Single & Dual-Element Straight Beam Probes
- Transverse Wave Angle Beam Probes
- Longitudinal Dual Element Angle Beam Probe
- Delay Line Probes
- Soft Protective Membrane Probe
- Calibration & Reference & Thickness Blocks
- Cables

YUSHI INSTRUMENTS

Add : U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District, Shenyang Liaoning
China 110136

Website : www.yushitest.com

Email : sales09@yushindt.com

20 years NDT experience,ISO, CE & RoHS certificated, this is how we keep superior quality and competitive offers for global valued customers.

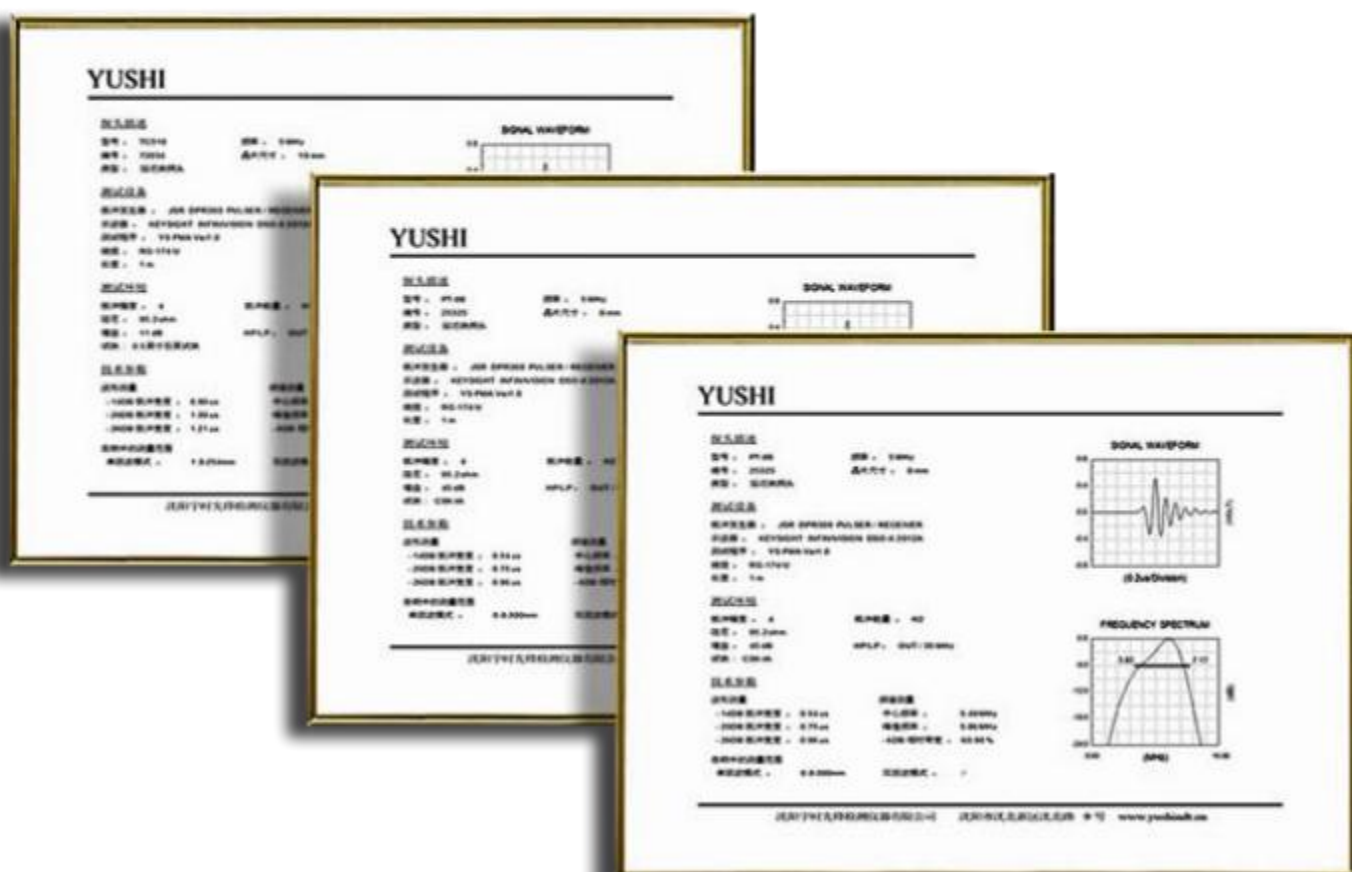
YUSHI products including serious ultrasonic thickness gauge, ultrasonic flaw detector, ultrasonic accessories, coating thickness gauge, leeb hardness tester, UV Lamp, industrial LED X-ray film viewer, black-white densitometer, X-ray flaw detector and various related accessories.

Now we have been doing export for more than 10 years and covered more than 30 countries, and won good reputation from our domestic and foreign customers. We welcome you visit to our website to learn more about our products and service.

Sincerely looking forward to earlier and long cooperation with you!!!

FACTORY REPORT

Each probe is strictly tested before leaving the factory and is accompanied by a test report



ULTRASONIC PROBES

YUSHI ultrasonic transducers are used for measuring different materials thickness to meet your different measurement requests.

We test the probes according to the ASTM-E1065 standard and provide customers with the test report corresponding to a unique serial number to record the actual RF waveform and spectrum of each probe. Each test report contains datas such as center and peak frequencies, -6dB relative bandwidth and pulse width. The content in the certificate is traceable.



PT-04



PT-06



PT-08



PT-12



ZT-12



GT-12



TC-510



TC-550



TC-705



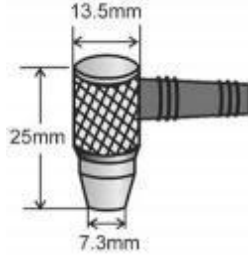
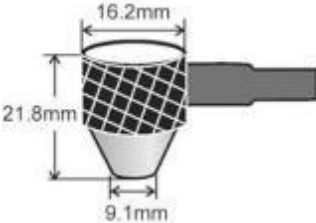
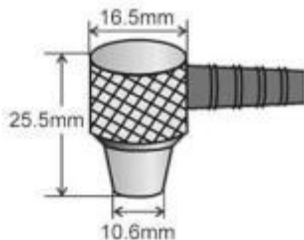
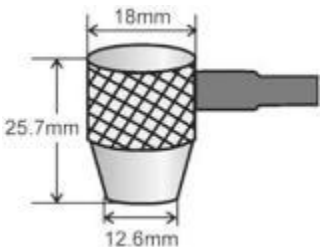
TC-110

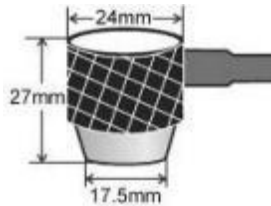
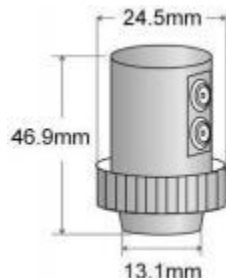
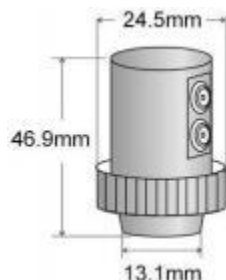


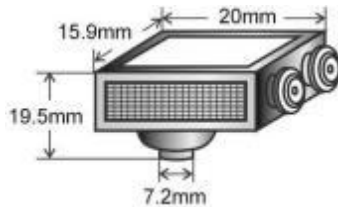
TC-210



D-15A

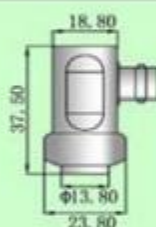
Photo	Model	Freq. (MHz)	Element (mm)	Connector Type	Range in (mm)	Comment	Diagram	Product Code
	PT-04	10.0	4.0	Dual Lemo 00 Side Potted	0.7 – 12	Fingertip		P-101- 0005
	PT-06	7.5	6.0	Dual Lemo 00 Side Potted	0.8 – 30	Small Tube		P-101- 0004
	PT-08	5.0	8.0	Dual Lemo 00 Side Potted	1.0 – 100	Standard		P-101- 0002
	PT-12	5.0	10	Dual Lemo 00 Side Potted	1.0 – 200	Standard		P-101- 0003

	ZT-12	2.0	12	Dual Lemo 00 Side Potted	4.0 – 300	Cast Iron		P-101-0006
	GT-12	3.0	10	Dual Lemo 00 Top Potted	4.0 – 80	High Temp up to 480° C		P-101-0007
	TC-510	5.0	10	Dual Lemo 00 Side	1.2 – 200	Standard		P-101-0008
	TC-550	5.0	10	Dual Lemo 00 Side	1.2 – 200	Composite Crystal		P-101-0010

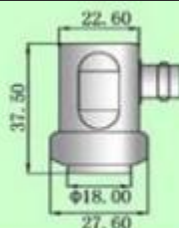
	TC-705	10.0	3.8	Dual Microdot Side	0.6 – 40	Fingertip		P-101-0009
	TC-110	1.0	12	Dual Lemo 00 Side	3.0 – 200	Composite Crystal		P-101-0011
	TC-210	2.0	10	Dual Lemo 00 Side	2.0 – 200	Composite Crystal		P-101-0012
	D-15A	15.0		Microdot Side	--	Delay Line		Q-111-0001



Straight beam probes



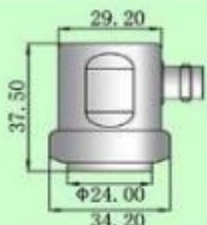
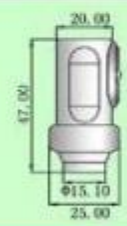
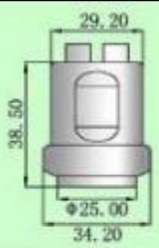
Model	Frequency	Element size		Near field length		Connector	Order code
	MHz	mm	in	mm	in		
2P10N	2	10	0.39	8	0.3	LEMO00	P-701-0001
4P10N	4	10	0.39	17	0.7	LEMO00	P-701-0002
2.5P10N-S	2.5	10	0.39	11	0.4	BNC on side	P-701-0003
2.5P10N-T	2.5	10	0.39	11	0.4	BNC on top	P-701-0004
5P10N-S	5	10	0.39	21	0.8	BNC on side	P-701-0005
5P10N-T	5	10	0.39	21	0.8	BNC on top	P-701-0006
10P10N-S	10	10	0.39	42	1.7	BNC on side	P-701-0007
10P10N-T	10	10	0.39	42	1.7	BNC on top	P-701-0008



Model	Frequency	Element size		Near field length		Connector	Order code
	MHz	mm	in	mm	in		
2P14N	2	14	0.55	17	0.7	LEMO00	P-702-0001
4P14N	4	14	0.55	33	1.3	LEMO00	P-702-0002
2.5P14N-S	2.5	14	0.55	21	0.8	BNC on side	P-702-0003
2.5P14N-T	2.5	14	0.55	21	0.8	BNC on top	P-702-0003
5P14N-S	5	14	0.55	41	1.6	BNC on side	P-702-0004
5P14N-T	5	14	0.55	41	1.6	BNC on top	P-702-0004

YUSHI INSTRUMENTS

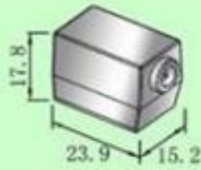
U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

   							
Model	Frequency	Element size		Near field length		Connector	Order code
	MHz	mm	in	mm	in		
1P20N	1	20	0.79	17	0.7	LEMO00	P-703-0001
2P20N	2	20	0.79	34	1.3	LEMO00	P-703-0002
4P20N	4	20	0.79	68	2.7	LEMO00	P-703-0003
2.5P20N-S	2.5	20	0.79	42	1.7	BNC on side	P-703-0004
2.5P20N-T	2.5	20	0.79	42	1.7	BNC on top	P-703-0004
5P20N-S	5	20	0.79	85	3.3	BNC on side	P-703-0005
5P20N-T	5	20	0.79	85	3.3	BNC on top	P-703-0005
TR-straight beam probes							
   							
Model	Frequency	Element size		Focal distance		Remark	Order code
	MHz	mm	in	mm	in		
2P11FG8	2	φ11/2	0.43	8	0.3		P-704-0001
2P12FG10	2	φ12/2	0.47	10	0.4		P-704-0002
4P3.5×10FG10	4	3.5×10	.14×.39	10	0.4		P-704-0003
4P3.5×10FG18	4	3.5×10	.14×.39	18	0.7		P-704-0004
5P10FG10	5	φ10/2	0.39	10	0.4		P-704-0005
   							
Model	Frequency	Element size		Focal distance		Remark	Order code
	MHz	mm	in	mm	in		
2.5P20FG10	2.5	φ20/2	0.79	10	0.4		P-705-0001
2.5P20FG15	2.5	φ20/2	0.79	15	0.6		P-705-0002
2.5P20FG20	2.5	φ20/2	0.79	20	0.8		P-705-0003
2.5P20FG30	2.5	φ20/2	0.79	30	1.2		P-705-0004
5P20FG10	5	φ20/2	0.79	10	0.4		P-705-0005
5P20FG15	5	φ20/2	0.79	15	0.6		P-705-0006
5P20FG20	5	φ20/2	0.79	20	0.8		P-705-0007
5P20FG30	5	φ20/2	0.79	30	1.2		P-705-0008

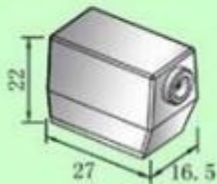
YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

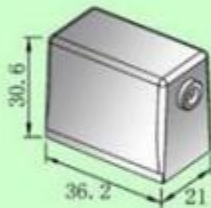
Angle beam probes



Model	Frequency	Element size		Beam angle	Near field length		Order code
	MHz	mm	in	Steel	mm	in	
5P6×6A70	5	6×6	.24×.24	70°	19	0.7	P-706-0001
5P6×6K2.5	5	6×6	.24×.24	68.2°(K2.5)	19	0.7	P-706-0002
5P6×6K3	5	6×6	.24×.24	71.6°(K3.0)	19	0.7	P-706-0003



Model	Frequency	Element size		Beam angle	Near field length		Order code
	MHz	mm	in	Steel	mm	in	
2P8×9A45	2	8×9	.31×.35	45°	15	0.6	P-707-0001
2P8×9A60	2	8×9	.31×.35	60°	15	0.6	P-707-0002
2P8×9A70	2	8×9	.31×.35	70°	15	0.6	P-707-0003
4P8×9A45	4	8×9	.31×.35	45°	30	1.2	P-707-0004
4P8×9A60	4	8×9	.31×.35	60°	30	1.2	P-707-0005
4P8×9A70	4	8×9	.31×.35	70°	30	1.2	P-707-0006



Model	Frequency	Element size		Beam angle	Near field length		Order code
	MHz	mm	in	Steel	mm	in	
2P14×14A45	2	14×14	.55×.55	45°	39	1.5	P-708-0001
2P14×14A60	2	14×14	.55×.55	60°	39	1.5	P-708-0002
2P14×14A70	2	14×14	.55×.55	70°	39	1.5	P-708-0003
5P14×14A45	5	14×14	.55×.55	45°	98	3.8	P-708-0004
5P14×14A60	5	14×14	.55×.55	60°	98	3.8	P-708-0005
5P14×14A70	5	14×14	.55×.55	70°	98	3.8	P-708-0006

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

							
Model	Frequency	Element size		Beam angle	Near field length		Order code
	MHz	mm	in	Steel	mm	in	
1P20×22A45	1	20×22	.79×.87	45°	45	1.8	P-709-0001
1P20×22A60	1	20×22	.79×.87	60°	45	1.8	P-709-0002
1P20×22A70	1	20×22	.79×.87	70°	45	1.8	P-709-0003
2P20×22A45	2	20×22	.79×.87	45°	92	3.6	P-709-0004
2P20×22A60	2	20×22	.79×.87	60°	92	3.6	P-709-0005
2P20×22A70	2	20×22	.79×.87	70°	92	3.6	P-709-0006
4P20×22A45	4	20×22	.79×.87	45°	184	7.2	P-709-0007
4P20×22A60	4	20×22	.79×.87	60°	184	7.2	P-709-0008
4P20×22A70	4	20×22	.79×.87	70°	184	7.2	P-709-0009

							
Model	Frequency	Element size		Beam angle	Near field length		Order code
	MHz	mm	in	Steel	mm	in	
2.5P13×13K1	2.5	13×13	.51×.51	45°(K1)	44	1.7	P-710-0001
2.5P13×13K1.5	2.5	13×13	.51×.51	56.3°(K1.5)	44	1.7	P-710-0002
2.5P13×13K2	2.5	13×13	.51×.51	63.4°(K2)	44	1.7	P-710-0003
2.5P13×13K2.5	2.5	13×13	.51×.51	68.2°(K2.5)	44	1.7	P-710-0004
2.5P13×13K3	2.5	13×13	.51×.51	71.6°(K3)	44	1.7	P-710-0005
5P13×13K1	5	13×13	.51×.51	45°(K1)	88	3.5	P-710-0006
5P13×13K1.5	5	13×13	.51×.51	56.3°(K1.5)	88	3.5	P-710-0007
5P13×13K2	5	13×13	.51×.51	63.4°(K2)	88	3.5	P-710-0008
5P13×13K2.5	5	13×13	.51×.51	68.2°(K2.5)	88	3.5	P-710-0009
5P13×13K3	5	13×13	.51×.51	71.6°(K3)	88	3.5	P-710-0010
2.5P10×16K1	2.5	10×16	.39×.63	45°(K1)	42	1.7	P-710-0011
2.5P10×16K1.5	2.5	10×16	.39×.63	56.3°(K1.5)	42	1.7	P-710-0012
2.5P10×16K2	2.5	10×16	.39×.63	63.4°(K2)	42	1.7	P-710-0013
2.5P10×16K2.5	2.5	10×16	.39×.63	68.2°(K2.5)	42	1.7	P-710-0014
2.5P10×16K3	2.5	10×16	.39×.63	71.6°(K3)	42	1.7	P-710-0015
5P10×16K1	5	10×16	.39×.63	45°(K1)	84	3.3	P-710-0016
5P10×16K1.5	5	10×16	.39×.63	56.3°(K1.5)	84	3.3	P-710-0017
5P10×16K2	5	10×16	.39×.63	63.4°(K2)	84	3.3	P-710-0018
5P10×16K2.5	5	10×16	.39×.63	68.2°(K2.5)	84	3.3	P-710-0019
5P10×16K3	5	10×16	.39×.63	71.6°(K3)	84	3.3	P-710-0020

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

							
Model	Frequency	Element size		Beam angle	Near field length		Order code
	MHz	mm	in	Steel	mm	in	
2.5P9×9K1	2.5	9×9	.35×.35	45°(K1)	21	0.8	P-711-0001
2.5P9×9K1.5	2.5	9×9	.35×.35	56.3°(K1.5)	21	0.8	P-711-0002
2.5P9×9K2	2.5	9×9	.35×.35	63.4°(K2)	21	0.8	P-711-0003
2.5P9×9K2.5	2.5	9×9	.35×.35	68.2°(K2.5)	21	0.8	P-711-0004
2.5P9×9K3	2.5	9×9	.35×.35	71.6°(K3)	21	0.8	P-711-0005
5P9×9K1	5	9×9	.35×.35	45°(K1)	42	1.7	P-711-0006
5P9×9K1.5	5	9×9	.35×.35	56.3°(K1.5)	42	1.7	P-711-0007
5P9×9K2	5	9×9	.35×.35	63.4°(K2)	42	1.7	P-711-0008
5P9×9K2.5	5	9×9	.35×.35	68.2°(K2.5)	42	1.7	P-711-0009
5P9×9K3	5	9×9	.35×.35	71.6°(K3)	42	1.7	P-711-0010
2.5P8×12K1	2.5	8×12	.31×.47	45°(K1)	25	1.0	P-711-0011
2.5P8×12K1.5	2.5	8×12	.31×.47	56.3°(K1.5)	25	1.0	P-711-0012
2.5P8×12K2	2.5	8×12	.31×.47	63.4°(K2)	25	1.0	P-711-0013
2.5P8×12K2.5	2.5	8×12	.31×.47	68.2°(K2.5)	25	1.0	P-711-0014
2.5P8×12K3	2.5	8×12	.31×.47	71.6°(K3)	25	1.0	P-711-0015
5P8×12K1	5	8×12	.31×.47	45°(K1)	50	2.0	P-711-0016
5P8×12K1.5	5	8×12	.31×.47	56.3°(K1.5)	50	2.0	P-711-0017
5P8×12K2	5	8×12	.31×.47	63.4°(K2)	50	2.0	P-711-0018
5P8×12K2.5	5	8×12	.31×.47	68.2°(K2.5)	50	2.0	P-711-0019
5P8×12K3	5	8×12	.31×.47	71.6°(K3)	50	2.0	P-711-0020

AWS probes and wedges comply with the American Welding Society specification for structural welding. Angle beam components for weld inspection were made upon specific request.

Photo	Model	Frequency	Element		Order Code
		MHz	mm	in	
	2.25P0.625"×0.625"	2.25	16*16	0.625"×0.625"	P-717-0019
	2.25P0.625"×0.750"	2.25	16*19	0.625"×0.750"	P-717-0006
	2.25P0.750"×0.750"	2.25	19*19	0.750"×0.750"	P-717-0020
	Snail Wedge	45 degrees or 60 degrees or 70 degrees			P-717-0007

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

CABLES

More than 1000 models of ultrasonic flaw detection probe cables, such as different kinds of LEMO, BNC Subvis and Microdot and other interfaces can be customized!



Copper Core Coaxial Cable

Shielding Layer Woven with Metal Wire



Standard Cable Lengths 1.8m, 2.0m.

Custom lengths and connector types are available; Contact us for special.



Our cables can be used in ultrasonic flaw detectors and ultrasonic thickness gauges as well as other instruments.



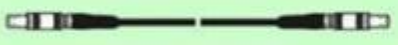
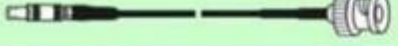
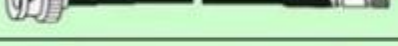
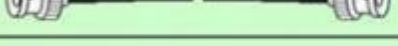
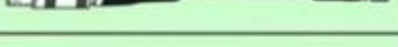
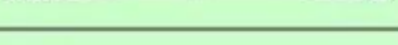
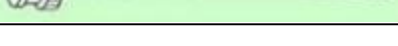
Widely used for testing in harsh, extremely cold (-55°C) and high temperature (250°C) environments.



Armored Stainless Steel Jacket provides flexibility, protection, and ruggedness in heavy industrial applications (Passed the 10kg tensile test)

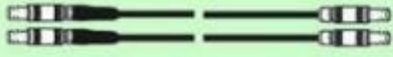
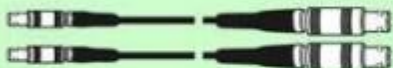
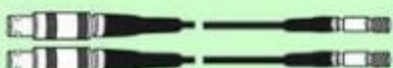
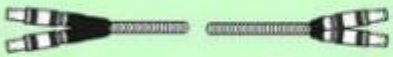
YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

			
Diagram	Length (m)	Plug Type	Order Code
	2.0	Single LEMO-00 to LEMO-00	C-101-0001
	2.0	Single LEMO-00 to LEMO-1	C-101-0002
	2.0	Single LEMO-00 to Microdot	C-101-0003
	2.0	Single LEMO-00 to BNC	C-101-0004
	2.0	Single LEMO-1 to LEMO-1	C-101-0005
	2.0	Single LEMO-1 to Microdot	C-101-0006
	2.0	Single LEMO-1 to BNC	C-101-0007
	2.0	Single BNC to Microdot	C-101-0008
	2.0	Single BNC to BNC	C-101-0009
	2.0	Single LEMO-1 to Subvis	C-101-0010
	2.0	Single LEMO-00 to Subvis	C-101-0011
	2.0	Single BNC to Subvis	C-101-0012

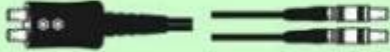
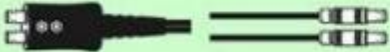
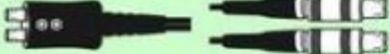
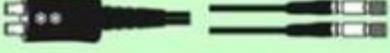
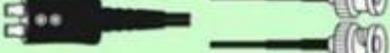
YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

			
Diagram	Length (m)	Plug Type	Order Code
	2.0	Dual LEMO-00 to LEMO-00	C-111-0001
	2.0	Dual LEMO-00 to Mini-LEMO	C-111-0002
	2.0	Dual LEMO-00 to LEMO-1	C-111-0003
	2.0	Dual LEMO-00 to Microdot	C-111-0004
	2.0	Dual LEMO-00 to BNC	C-111-0005
	2.0	Dual LEMO-1 to Microdot	C-111-0006
	2.0	Dual BNC to Microdot	C-111-0007
	2.0	Dual LEMO-00 to Mini-LEMO Armored	C-111-0008
	2.0	Dual LEMO-00 to LEMO-00 Armored	C-111-0009
	2.0	Dual LEMO-00 to Microdot Armored	C-111-0010

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

			
Diagram	Length (m)	Plug Type	Order Code
	2.0	LEMO-00(Dual Plug) to LEMO-00(Dual Plug)	C-121-0001
	2.0	LEMO-00(Dual Plug) to 2×LEMO-00	C-121-0002
	2.0	LEMO-00(Dual Plug) to 2×Mini-LEMO	C-121-0003
	2.0	LEMO-00(Dual Plug) to 2×LEMO-1	C-121-0004
	2.0	LEMO-00(Dual Plug) to 2×Microdot	C-121-0005
	2.0	LEMO-00(Dual Plug) to 2×BNC	C-121-0006
	2.0	LEMO-00(Dual Plug) to 2×Mini-LEMO Armored	C-121-0007
	2.0	LEMO-00(Dual Plug) to 2×LEMO-00 Armored	C-121-0008
	2.0	LEMO-00(Dual Plug) to 2×Microdot Armored	C-121-0009

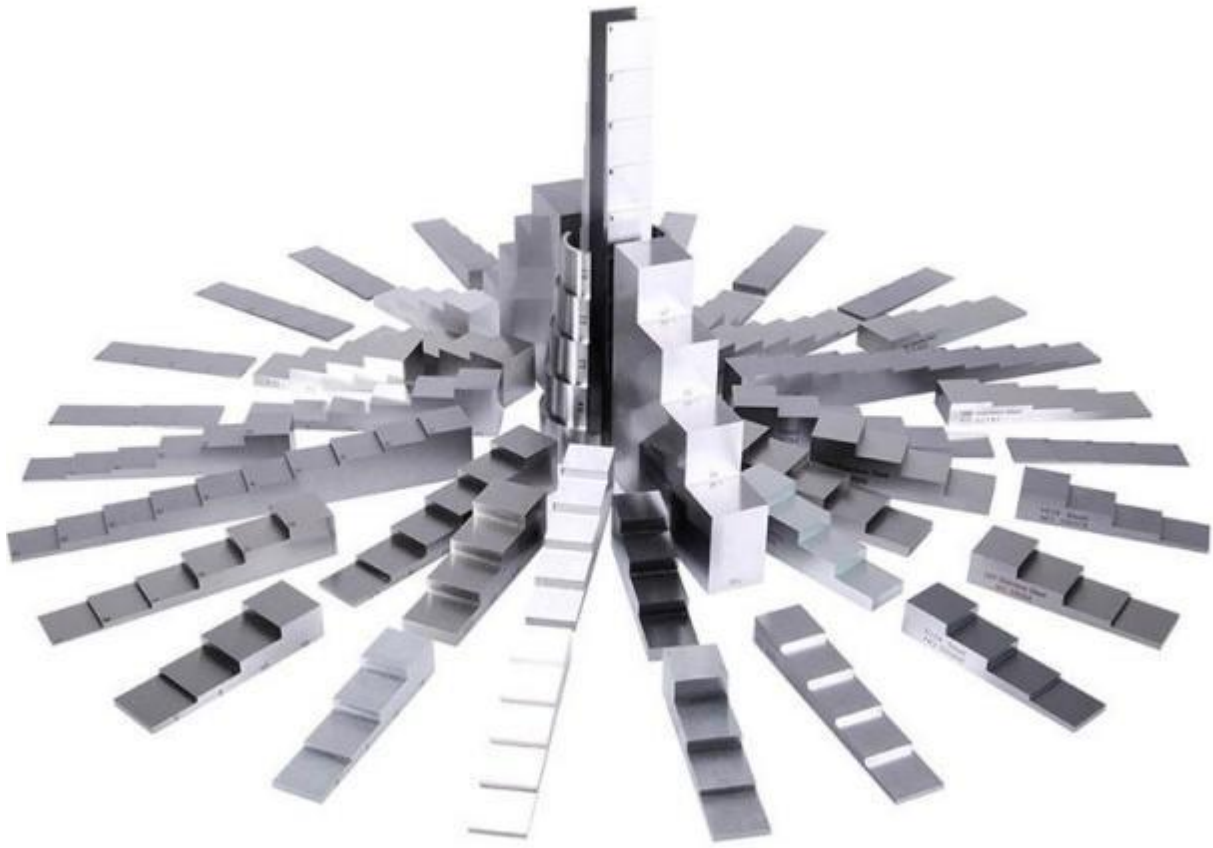
YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

TEST BLOCKS

YUSHI Ultrasonic calibration, reference and thickness blocks comply with the specifications according to U.S. ASTM E164, German DIN 54-120, Australian AS 2803 and ISO Standard, EN and other standards.

All kinds of ultrasonic thickness test blocks and ultrasonic flaw detection test blocks can be customized.



YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

Photo	Model	Description	Material	Product Code
	4-Step	3.00mm / 5.00 mm / 10.00 mm / 15.00 mm Dimensions: 80.0 x 20.0 mm	1018 Carbon Steel	B-101-0001
			304 Stainless Steel	B-101-0011
			6063 Aluminum	B-101-0021
	4-Step	2.50 mm / 5.00 mm / 10.00 mm / 20.00 mm Dimensions: 80.0 x 20.0 mm	1018 Carbon Steel	B-101-0014
			304 Stainless Steel	B-101-0043
			6063 Aluminum	B-101-0034
	4-Step	6.25 mm / 12.50 mm / 18.75 mm / 25.00 mm Dimensions: 80.0 x 20.0 mm	1018 Carbon Steel	B-101-0050
			304 Stainless Steel	B-101-0051
			6063 Aluminum	B-101-0052

	4-Step	12.50 mm / 25.00 mm / 37.5 mm / 50.0 mm Dimensions: 80.0 x 20.0 mm	1018 Carbon Steel	B-101-0068
	4-Step	5.00 mm / 10.00 mm / 15.00 mm / 20.00 mm Dimensions: 80.0 x 20.0 mm	1018 Carbon Steel	B-101-0044
	Thin 4-Step	0.80 mm / 1.00 mm / 1.50 mm / 2.00 mm Dimensions: 80.0 x 20.0 mm	1018 Carbon Steel	DB-101-0003
	Thin 4-Step	1.00 mm / 1.50 mm / 2.00 mm / 2.50 mm Dimensions: 80.0 x 20.0 mm	1018 Carbon Steel	B-101-0038
	5-Step	5.00 mm / 10.00 mm / 15.00 mm / 20.00 mm / 25.00 mm Dimensions: 100.0 x 20.0 mm	1018 Carbon Steel	B-101-0013
			304 Stainless Steel	B-101-0023
	5-Step	2.50 mm / 5.00 mm / 7.50 mm / 10.00 mm / 12.50 mm Dimensions: 100.0 x 20.0 mm	1018 Carbon Steel	B-101-0017
			304 Stainless Steel	B-101-0027
			6063 Aluminum	B-101-0037

	5-Step	1.00 mm / 2.00 mm / 3.00 mm / 4.00 mm / 5.00 mm Dimensions: 100.0 x 20.0 mm	1018 Carbon Steel	DB-101-0002
	Thin 5-Step	0.50 mm / 1.00 mm / 1.50 mm / 2.00 mm / 2.50 mm Dimensions: 100.0 x 20.0 mm	1018 Carbon Steel	B-101-0016
	Thin 5-Step	0.25 mm / 0.50 mm / 0.75 mm / 1.00 mm / 1.25 mm Dimensions: 100.0 x 20.0 mm	1018 Carbon Steel	B-101-0024
	6-Step	1.00 mm / 3.00 mm / 5.00 mm / 10.00 mm / 15.00 mm / 20.00 mm Dimensions: 120.0 x 20.0 mm	1018 Carbon Steel	B-101-0004
			304 Stainless Steel	B-101-0035
	6-Step	2.50 mm / 5.00 mm / 10.00 mm / 15.00 mm / 20.00 mm / 25.00 mm Dimensions: 120.0 x 20.0 mm	1018 Carbon Steel	B-101-0005
			304 Stainless Steel	B-101-0015
	8-Step	1.00 mm / 2.00 mm / 3.00 mm / 4.00mm / 5.00 mm / 6.00 mm / 7.00 mm / 8.00 mm Dimensions: 160.0 x 20.0 mm	1018 Carbon Steel	B-101-0018
	Topsy Step	25.00 mm / 50.0 mm / 75.0 mm / 100.0 mm 37.5 mm / 62.5 mm / 87.5 mm / 112.5 mm Wide: 25.4 mm (Include case)	1018 Carbon Steel	B-101-0053

	10-Step	1.00 mm / 2.00 mm / 3.00 mm / 4.00 mm / 5.00 mm / 6.00 mm / 7.00 mm / 8.00 mm / 9.00 mm / 10.00 mm Dimensions: 200.0 x 20.0 mm	1018 Carbon Steel	B-101-0006
	10-Step	2.00 mm / 4.00 mm / 6.00 mm / 8.00 mm / 10.00 mm / 12.00 mm / 14.00 mm / 16.00 mm / 18.00 mm / 20.00 mm Dimensions: 200.0 x 20.0 mm	1018 Carbon Steel	B-101-0007
			304 Stainless Steel	B-101-0029
			7075 Aluminum	B-101-0026
	10-Step	2.50 mm / 5.00 mm / 7.50 mm / 10.00 mm / 12.50 mm / 15.00 mm / 17.50 mm / 20.00 mm / 22.50 mm / 25.00 mm Dimensions: 200.0 x 20.0 mm	1018 Carbon Steel	B-101-0030
			304 Stainless Steel	B-101-0045
			7075 Aluminum	B-101-0031
	120° Curved 5-Step	2.50 mm / 5.00 mm / 10.00 mm / 15.00 mm / 20.00 mm Wide: 20.0 mm'×120°α Internal diameter: 20.0 mm Length: 100.0 mm	1018 Carbon Steel	B-101-0009
			304 Stainless Steel	B-101-0019
	7 Pieces - Cylindrical	0.100" / 0.200" / 0.300" / 0.400" 0.500" / 0.750" / 1.000" Diameter: 1.0 inch	1018 Carbon Steel	B-101-0067

	IIW-Type 1	Used for calibration of shear and longitudinal transducers, and verification of shear wedge exit point and refracted angle. Can also be used for resolution and sensitivity checking. In accordance with: IIW (International Institute of Welding) and ASTM E164, U.S. Customary Block Dimensions: 25.0 mm x 100.0 mm x 300.0 mm Features: 100.0 mm radius, 1.5 mm dia hole, 6.0 mm deep x 2.0 mm wide slot, and 25.0 mm radiussed slot x 1.5 mm deep x 3.0 mm wide	Carbon Steel	FB-901-0001
			Stainless Steel	
			Aluminium	
	IIW-Type 2	A modified version of the original IIW-Type 1 design in a metric version. Includes a 50 mm radius x 5.0 mm deep cut-out superposed on the 100 mm radius for distance calibration. Also includes 1.0 mm, 2.0 mm and 3.0 mm through holes for sensitivity testing or surface wave inspection, and distance calibration marks to the 50 mm hole. design based on International Institute of Welding, U.S. Air Force NDI Manual T.O. 33B-1-1 specifications. Dimensions: 300mm x 100mm x 25mm. Includes a 2.0" radius x .250" deep cut-out superposed on the 4.0" radius for distance calibration. Also includes numbers 3, 5 and 8 through holes (3/64", 5/64" AND 8/64" diameter) for sensitivity testing or surface wave inspection, and distance calibration marks to the 2.0" hole Dimensions: 12.0" x 4.0" x 1.0"	Carbon Steel	FB-901-0002
			Stainless Steel	
			Aluminium	

	IIW/V1/A2	For calibrating ultrasonic flaw detection equipment in both laboratory and on-site conditions. Our version of this block includes a 100mm radius, 1.5mm and 50.0mm holes, engraved reference mark scales, and two optional slots at the zero point which provide calibrating signals at intervals of 100mm range. In accordance with British Standard BS 2704 Block A2 Mod. 1, German Standard DIN 54-120, Australian Standard AS 2083, and ISO 2400. Also meets the requirements of the Dassault Aviation Falcon 10 Mandatory Service Bulletin #294 dated March 20, 2002 Dimensions: 300 mm x 100 mm x 25 mm	Carbon Steel	FB-901-0003
			Stainless Steel	
			Aluminium	
			P91	
	NO.1/K1	Calibration standard for the calibration of shear and compression wave probes, time base and sensitivity settings, verification of beam angle, emission point, resolution, Our version of this block includes a 100 mm radius, 3.0 mm and 50.0 mm holes, engraved reference mark scales, and two optional slots at the zero point which provide calibrating signals at intervals of 100 mm range. In accordance with EN 12223 & ISO 2400-2012 Dimensions: 300.0 mm x 100.0 mm x 25.0 mm	Carbon Steel	FB-901-0004
			Stainless Steel	
			Aluminium	
	V1 Block Rotating Stand	Make the test block easier to move and flip,It can show the test block 360 degrees to the customer	---	FB-901-0005

	IIW2/V2/A4	12.5 mm thick small calibration block for on-site checking of miniature shear wave probe index, time base, beam angle and gain. Includes a 25 mm and 50 mm radius, 5.0 mm hole, engraved reference mark scales from 35 to 75 degrees. In accordance with EN 27963, DIN 54-120, and ISO 7963. Dimensions: 75.0 mm x 43.0 mm x 12.5 mm	Carbon Steel	FB-901-0007
			Stainless Steel	
			Aluminium	
	IIW2/V2/A4	12.5 mm thick miniature calibration block for site checking of shear wave probes, verification of beam angles, calibration of time base and sensitivity settings. Includes a 25 mm and 50 mm radius, 1.5 mm hole. In accordance with EN ISO 7963:2010, British Standard BS 2704 block A4, Fig.4, and AS 2083 Dimensions: 75.0 mm x 43.0 mm x 12.5 mm	Carbon Steel	FB-901-0007
			Stainless Steel	
			Aluminium	
	IIW2/V2	20.0 mm thick miniature calibration block with Ø 5 mm target hole. For on-site checking of shear wave probes, verification of beam angles, calibration of time base and sensitivity settings. The thicker 20 mm block reduces side wall echoes. In accordance with EN ISO 7963:2010, British Standard BS 2704 block A4, Fig. 4, and AS 2083 Dimensions: 75.0 mm x 43.0 mm x 20.0 mm	Carbon Steel	FB-901-0007
			Stainless Steel	
			Aluminium	

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

	IIW2/V2	20 mm Thick miniature calibration block with Ø 1.5 mm target hole. For site checking of shear wave probes, verification of beam angles, calibration of time base and sensitivity settings. The thicker 20 mm block reduces side wall echoes. In accordance with EN ISO 7963:2010, British Standard BS 2704 block A4, Fig. 4, and AS 2083 Dimensions: 75.0 mm x 43.0 mm x 20.0 mm	Carbon Steel	FB-901-0007
			Stainless Steel	
			Aluminium	
	IIW2/V2	25 mm thick small calibration block for on-site checking of miniature shear wave probe index, time base, beam angle and gain. Includes a 25 mm and 50 mm radius, 5.0 mm hole, engraved reference mark scales from 35 to 75 degrees. In accordance with EN 27963, DIN 54-120, and ISO 7963 Dimensions: 75.0 mm x 43.0 mm x 25.0 mm	Carbon Steel	FB-901-0007
			Stainless Steel	
			Aluminium	
	IIW2/V2	25 mm thick small calibration block for on-site checking of miniature shear wave probe index, time base, beam angle and gain. Includes a 25 mm and 50 mm radius, 1.5 mm hole, engraved reference mark scales from 35 to 75 degrees. In accordance with EN 27963, DIN 54-120, and ISO 7963 Dimensions: 75.0 mm x 43.0 mm x 25.0 mm	Carbon Steel	FB-901-0007
			Stainless Steel	
			Aluminium	

	ASTM Distance Amplitude Set of 19	Set of nineteen flat-bottom hole blocks used to determine the relationship between metal travel distance (MTD) and signal amplitude. All blocks have the same size flat-bottom hole and varying MTD. Hole diameter must be specified when ordering (3/64", 5/64" or 8/64"). In accordance with ASTM E428. Includes our NIST traceable dimensional certification report, ultrasonic inspection report and response plot from Tactic Inc, and the certified material test report. Note that we use a 5.0 MHz quartz transducer for block characterization as required by ASTM E127, E428 Dimensions: Metal travel distances are: .063", .125", .250", .375", .500", .625", .750", .875", 1.000", 1.250", 1.750", 2.250", 2.750", 3.250", 3.750", 4.250", 4.750", 5.250" and 5.750" . Block diameter is 2.0"	Carbon Steel	FB-901-0008
	DSC	AWS-type block used for shear wave distance and sensitivity calibration. Contains a 25mm radius opposite a 75 mm radius. The 75mm radius includes a 9.4 mm deep x 0.8mm wide radiused slot. Also contains a 0° reference point for checking exit point on wedge, and a 3.2 mm diameter through hole and corresponding markings at 45°, 60°, and 70° for measuring actual refracted angle. In accordance with ASTM E164 and AWS 6.16.1B Dimensions: 100.0 mm x 62.5 mm x 25.0 mm	Carbon Steel	FB-901-0009

	V3	For calibrating ultrasonic flaw detection equipment in both laboratory and on-site conditions. This block is intended to function as a more compact and light-weight alternative to V1 or IIW-Type Test Blocks. Includes 25 mm, 50 mm and 100 mm radii, (2) 3.0 mm diameter through holes, engraved reference mark scales, and a 0.4 mm wide x 2.5 mm deep slot Dimensions: 150.0 mm x 90.0 mm x 25.0 mm	Stainless Steel	FB-901-0010
			Carbon Steel	
	IOW/A5	Beam calibration block for beam profile measurement and resolution checks for shear wave probes, also sensitivity levels for shear and compression probes. Contains nine 1.5 mm diameter x 22 mm deep side drilled holes. In accordance with British Standard 2704 requirements Metric Dimensions: 305.0 mm x 75.0 mm x 50.0 mm Inch Version Dimensions: 12" x 3" x 2"	Carbon Steel	FB-901-0011
	A6	For checking the dominant frequency of compression wave probes, the pulse length dead zone and resolving power for both shear and compression wave probes as per BS4331 Part 3 1974. (1987) Dimensions: 150.0 mm x 50.0 mm x 25.0 mm	Carbon Steel	FB-901-0012
	A7/R-1	Resolution Block for checking shear wave probe resolution as per BS4331 Part 3 1974. 4 steps at 2 mm, 3 mm, 4 mm and 5 mm Dimensions: 74.0 mm radius x 75.0 mm thick	Carbon Steel	FB-901-0013

	DC	AWS-type block used for shear wave distance calibration. Metric version: Contains a 25.0 mm radius overlaying a 50.0 mm radius on a 180° segment Dimensions: 25.0 mm radius is 25.0 mm thick and 50.0 mm radius is 12.5 mm thick	Carbon Steel	FB-901-0014
	SC	AWS-type block used for shear wave sensitivity calibration. In accordance with ASTM E164 and BRR/AWS requirements. Metric version: Contains two 1.6mm diameter through holes Dimensions: 75.0 mm x 22.6 mm x 32.0 mm	Carbon Steel	FB-901-0015
	DS	AWS-type block used for longitudinal distance and sensitivity calibration. Contains a 2.0" high section between two 4.0" sections. In accordance with AWS requirements. Dimensions: 6.000" x 4.000" x 2.000" (152.4 mm x 101.6 mm x 50.8 mm) Note: AWS does not specify a separate metric version of the DS block. The metric block in AWS shows only the metric equivalents to the standard design. Therefore, this one block can be used for both inch and metric requirements	Carbon Steel	FB-901-0016

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

	RC	AWS Resolution Reference Block is used for checking resolution capabilities of angle beam transducers. Contains three sets of .0625" diameter through-holes for 45°, 60° and 70°. In accordance with AWS Welding Highway and Railway Bridges specification D2.0, and Structural Welding Code ANSI/AWS D1.1 Dimensions: 6.000" x 3.000" x 1.000" (152.4 mm x 76.2 mm x 25.4 mm)	Carbon Steel	FB-901-0017
	MAB Block	The METRIC miniature angle beam block is also known as a "Rompas" block or simply "Angle Beam". It is a substitute for the DSC block for distance, beam index, refracted angle and sensitivity calibration. A metric equivalent, based on ASTM E164 and U.S. Bureau of Public Roads, Type B specifications. Metric version: Block measures 25 mm thick and contains a 25 mm and 50 mm radius, and a 2 mm FBH at 6.25 mm metal travel distance (1/4T) Dimensions: 25.0 mm thick Also available in 12.5 mm thickness	Carbon Steel	FB-901-0018

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

	Phased Array Type A	The Phased Array “Type A” Calibration Block is used during the initial setup and calibration of a phased array ultrasonic unit. This block can be used to perform tasks such as beam angle verification, calibration for wedge delay, sensitivity calibration, performing DAC/TCG, and more. This block has similar dimensions to an IIW-Type Block, but has been specially-engineered for phased array applications. Blocks include both 100.0 mm and 50.0 mm radii, (19) through holes at 1.0mm diameter, (1) through hole at 2.0 mm diameter, (4) FBHs at 2.0 mm diameter x 2.0 mm, 4.0 mm, 6.0 mm, and 8.0 mm deep, (4) FBHs at 4.0 mm diameter x 1.0 mm, 3.0 mm, 5.0 mm, and 7.0 mm deep, (3) FBHs at 2.0mm diameter x 3.0mm deep machined into the 50 mm radius, and (4) EDM notches at 0.1 mm, 0.2 mm, 0.3 mm, and 0.4 mm deep x 0.5 mm wide x 25.0mm long Dimensions: 25.0 mm thick x 100.0 mm x 300.0 mm	Carbon Steel	FB-901-0019
			Stainless Steel	
			Aluminium	
	Phased Array Type B	ASTM E2491 Phased Array Assessment Block is a general purpose Phased Array calibration block used for beam characterization and evaluation of system performance characteristics. Use it as baseline block to determine long-term instrument performance changes, generate DAC curves, and evaluate linear/angular resolution, focusing ability and beam steering capability. With a variety of targets, this small, lightweight block is also perfect for customer demonstrations of phased array ultrasonics capabilities.	Carbon Steel	FB-901-0019
			Stainless Steel	

	Phased Array Navships	This special Phased Array version of the popular NAVSHIPS block solves the problem of too many holes interfering with one another. The block contains four holes at 1.2 mm diameter drilled through the 30 mm width. The holes are located at 6.25 mm (68.75 mm), 18.75 mm (56.25 mm), 31.25 mm, and 43.75 mm Dimensions: 30.0 mm x 75.0 mm x 300.0 mm	Carbon Steel	FB-901-0026
	Navships	Contains six 1.2mm diameter side-drilled through-holes at distances of 6.25 mm to 68.75 mm in 6.25 mm increments. This block is surface ground to a 32Ra finish on all surfaces Dimensions: 30.0 mm x 75.0 mm x 300.0 mm	Carbon Steel	FB-901-0029
	Mini Phased Array	Mini PACS™ Block is a smaller, portable version of the original PACS™ Block. The block includes a total of four holes at 3/64" diameter drilled through the 1.000" width, located at 0.200, 0.400, 0.600, 0.700, 0.800, 0.900, 1.100 and 1.300" from the respective scanning surface Dimensions: 1.500" x 1.000" x 10.00"	Carbon Steel	FB-901-0027

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136

	AWS Phased Array	Special Version of the Phased Array Calibration Standard (PACS™) with 0.060" diameter Side-drilled Holes for use with AWS requirements. Block is used for angle beam verification, probe angle exit point, calibration for wedge delay, sensitivity, DAC/TCG for thicknesses up to 2". The three radii (0.500, 1.000, 2.000") allow for exit point verification, velocity, and sound path calculations. Block contains five holes at 0.060" diameter drilled through the 1.000" width, located at 0.100, 0.200, 0.400, 0.600, 0.800, 1.200, 1.400, 1.600, 1.800, and 1.900" from the respective scanning surface. Generous hole spacing eliminated "ghost" images from adjacent holes. Also includes an engraved scale from 30° to 70° associated with the 0.800" hole for beam angle verification Dimensions: 18.0" x 2.0" x 1.0"	Carbon Steel	FB-901-0028
---	-----------------------------	--	---------------------	--------------------

- All the calibration blocks are equipped with a block case.
- All calibration blocks come with factory inspection certificate
- If you do not find the block you want in the form, please contact us, some blocks are not registered in the form. In addition, we can customize it according to the drawings.

YUSHI INSTRUMENTS

U39, No. 81-43, Puhe Road, Hushitai Street, Shenbei New District
Shenyang Liaoning, China 110136



U39, No. 81-43, Puhe Road, Hushitai Street,
Shenbei New District, Shenyang Liaoning, China 110136

www.yushitest.com

sales09@yushindt.com