



北京凯普海泰科技有限公司
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Ultrasonic Velocity Gauge Upad VX

Upad VX Series: Professional Design, Meeting Demand

Upad VX Series Ultrasonic Velocity Gauge will be the best choice for accomplishing measurement with its superior feather. It is reliable and durable.

Upad VX Series fit to measure cast iron, metal, plastic, china, glass, glass fiber and any other good conductors of ultrasonic, complies to JB/T9219 Standards



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FUNCTION

- Nondestructive Velocity Testing
- Auto Probe Zeroing Calibration Without Blocks
- USB for Storage ,Plug and Play
- Massive Data Memory-100,000 data sets
- Statistic Function
 - Online Statistic: Max Min ,Standard Devration
 - Document Statistic: Max Min Average, mean square error
- Probe Connection/Coupling Indicator

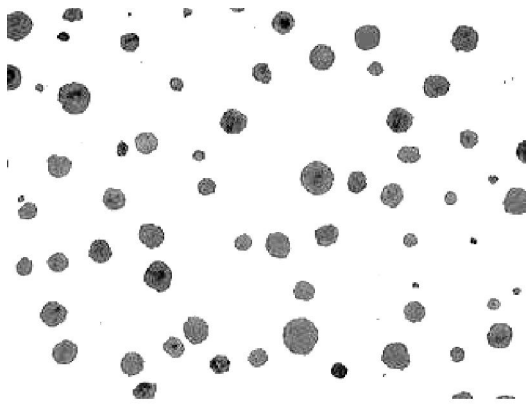
PERFORMANCE

- Accuracy 1% Resolution
- Extra-long standby time:200 hours

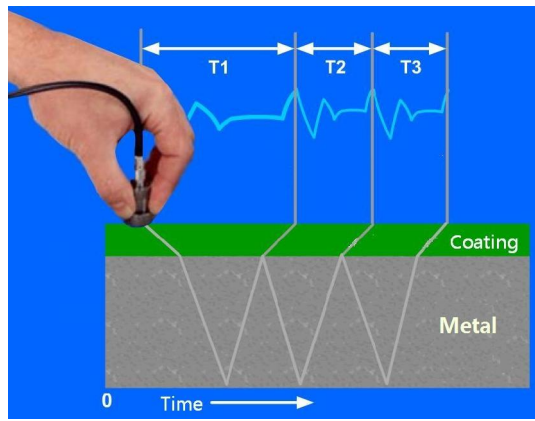
OPERATION

- Inco Style Menu
- Stroll Bars Indicates Function
- Free to change between huge font and normal font

Measuring Interface



Nodularity>95%, one class,



Eliminating the effect of coating

SPECIFICATIONS

Principle	Ultrasonic(Pulse-Echo/Echo-Echo)		Dimension (mm)	165×82×30
Resolution	0.1mm(> 100mm)/0.01mm(<100mm)		Accuracy	± (0.5%H+0.01) mm
Nodularity	Percentage: 50~100%, 1% Grade:1-6		Thickness Range	0.75-50mm
Velocity	1000~9999m/s		Weight	250g
Calibration	Auto Sound-Velocity-Calibration		Measuring Range	Noarmal:0.75-40mm Coating: 2-25mm
	Auto Probe Zeroing Calibration		Pulser	150V Negative Pulse
Indicator	Probe Connection Indicator		Receiver	Gain High/Low/Auto
	Coupling Indicator			Bandwidth 0.5-15MHz
Environment	Temperature : -20℃~70℃		Measuring	Result Showing Online Statistic/Velocity
	Humidity : 5%~90%			Statistic Online: Max Min ,Standard Devration File: Max, Min AVG, mean square error
DISLAY	High-Contract 128*64		Alarm	Threshold Acoustooptical Alarm
	LCD	Beautiful printed characters, Number , Symbol, High Brightness EL Backlight		Files 1000 groups
	Update Rate	Single Point: 5 times/s Scan Mode: 25times/s		Thickness Logging 1000 sets/group ,liner
Input/Output	Probe Cable	LEMO 00 (C5) x2	Memory	USB Storage Connection USB is allowed, convenient to read thickness values
	Communication	USB		
Power Source	Language	Chinese /English	Standard Package	Main Body 1
	Unit	mm/inch		Probe 1
	Battery	1.5V AAA x4		Manuel 1
	Working Time	200 hours		Carrying Case 1
				Coupling paste 1
				Battery 1 group

ULTRASONIC VELOCITY GAUGE

Mode	Nodularity Measuring	Calibration	Accuracy	USB	Coating	Statistic Function	Memory
Upad VX	V	Auto	0.1/0.01mm	V	V	Online/Document	1000files

PROBE

Applying	Mode	Frequency	Probe Diameter	Measuring Range	Min Pip Diameter
Standard	DA301S	5 MHz	10mm	0.75mm~20.0mm	Φ20mm×3.0mm
High attenuation	DA408S	2 MHz	22mm	Less than 50mm	20mm

Nodular Cast Iron Base	Heat-treatment Situation	σ (MPa)	δ (%)	Hardness HB
Ferrite	Casting	450~550	10~20	137~193
Ferrite	Annealing	400~500	15~25	121~179
Pearlite - Ferrite	Cast or Annealing	500~600	5~10	147~241
Pearlite	Casting	600~750	2~4	217~269
Pearlite	Normalizing	700~950	2~5	229~302
Pearlite - fragment Ferrite	Part Austenite Normalizing	600~900	4~9	207~285
Bainite + fragment Ferrite	Part Austenite isothermally -quenching	900~1100	2~6	HRC32~40
Lower Bainite	isothermally -quenching	1200~1500	1~3	HRC38~50
Tempered Sorbite	Quenching , 550-600°C tempered	900~1200	1~5	HRC32~43
Tempered Martensite + Tempered Sorbite	Quenching , 360-420°C tempered	1000~1300	0.5~1	HRC45~50
Tempered Martensite	Quenching , 200-250°C tempered	700~900		HRC55~61