

AUTOMATIC ULTRASONIC HARDNESS TEST SYSTEM CODE RBT-9646

CUSTOM-MADE



- 6-axis industrial robot for high speed and precision, IP67, triple protection
- Portable ultrasonic hardness test system automatically tests the hardness of the workpiece and provides real-time feedback to the control system
- Control system Modbus Tcp via bus communication, high speed, high efficiency and easy to extend

SPECIFICATION

Robot	robot arm spreading	720mm
	max. working speed	4000mm/s
	max. weight of workpiece	8kg
	repeat positioning accuracy	±0.02mm
	number of control axis	6
	communication protocols	Ethernet Modbus Tcp
	power supply	220V, 50Hz
Ultrasonic hardness tester	main test parameter	HV
	convertible parameters	HRA, HRB, HRC, HBW, HS, MPa
	measurement range	50-1599HV, 20-68HRC, 85-650HB, 41-100HRB, 61-85.6HRA, 34.2-97.3HS, 255-2180MPa
	resolution	1HV, 0.1HRA, 0.1HRB, 0.1HRC, 1HB, 0.1HS, 1MPa
	accuracy	±4%HV, ±4%HB, ±1.5HR
	calibration method	normal material: one-point calibration special material: multi-point calibration
	power supply	built-in rechargeable lithium battery (for 10 hours working)
	dimension of main unit (LxWxH)	190×82×30mm
	dimension of probe	150×Ø22mm
	net weight	540g
Power supply		220V, 50Hz
Net weight		200kg

STANDARD DELIVERY

Robotic system	robot body	1 pc
	robot control cabinet	1 pc
	programming guide	1 pc
Ultrasonic hardness tester	main unit	1 pc
	19.6N manual probe	1 pc
	charger	1 pc
	USB cable	1 pc
	ultrasonic hardness test block	1 pc
Control touch screen		1 pc
Control box		1 pc