TEM-620X Rebar Detector

1.1Brief Introduction

The first generation portable rebar integrated detector TEM-620X uses an electromagnetic induction method, which can detect the rebar location and cover thickness & diameter accurately, store, transfer and analyze the real time test data. The model TEM-620X is the pinnacle of work with the modern simple design, incorporating the handy & durable features and sophisticated electronic technology.

TEM-620 series rebar detector is mainly used to test the location, distribution, direction, the thickness of rebar and the diameter of cover in concrete structure such as walls,columns, beam-slabs etc. It can also detect the location of pipelines and metal embedded parts. The multiple coil structure design make it more accurate& responsive and higher resolution.

1.2 Application Range

(1). Testing the location, distribution, direction, and diameter of the rebar and the thickness of cover in concrete structure projects.

(2). Inspecting and accepting concrete structural construction quality.

(3). Evaluating the quality of construction.

(4). Establishing the location of rebar for drilling, cutting and coring operations.

(5). Testing the distribution and direction of electric cables, pipelines and metalwork inside walls and floors.

(6). Testing the quantity of rebar when evaluating and developing the old structure, such as installation of furniture and air-condition.

1.3 Features

◆The high resolution LCD display: 128 x 128 pixels;

◆ The intuitive operation and handheld ergonomic design with good durability;

◆ Accurately detect the location of the rebar;

◆ Help extend life of drill and avoid damage when drilling and coring;

◆ The multi coil structure design with high speed, high precision and high resolution;

◆ The built-in high capacity lithium battery, low power consumption, standby for no less than 20h.

1.4 Technical Specifications

Items	Technical Spec.	
Diameter Measuring Range（mm）	Φ6～Φ50	
Measuring Range（mm）	Location Range: 1～120 First Range: 1～60 Second Range: 30～120	
Thickness Measuring Accuracy（mm）	1～40	±1
	41～60	±2
	61～80	±3
	81～100	±5
	101～120	±8
Rebar Location Accuracy	1～60	±3
	61-120	±6
Diameter Measuring Modes	Optional	
JGJ Measurement	Optional	
Data Storage	Optional	
Off Time	Automatic	
Power Supply	Rechargeable Lithium Battery	
Working Temperature	-10℃～+42℃	
Size（mm）	170×78×38	
Weight（kg）	0.28	

T-measurement

Model		TEM-620X	TEM-620XH
Diameter Measuring Range(mm)		Φ6~Φ50	Φ6~Φ50
Measuring Range (mm)		5~80	5~100
Thickness Measuring Accuracy(mm)	5~40	±1	±1
	41~60	±2	±2
	61~80	±4	±4
	81~90		±5
	91~100		±6
Diameter Measuring Modes			√
JGJ Measurement			√
Data Storage			USB transfer
Off time			√
Power supply			√
Working Temperature		-10℃~42℃	