

SGS-120X Rebar Detector



1.1 Brief 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	

Model		TEM-620X	TEM-620XH
Diameter Measuring Range(mm)		φ 6~ φ 50	φ 6~ φ 50
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°C~42°C	