

Elcometer P120 Rebar Locator

The Elcometer P120 Rebar Locator provides a simple means to detect reinforcement bars in concrete, identifying the rebar's location, direction and an indication of the depth of concrete over the rebar.

Supplied together with a 100mm (4") search coil, leather carry case and batteries the Elcometer P120 is available in both metric and imperial versions.

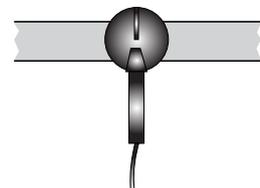
- Fast, accurate and stable - Loud audio tone and clear analogue meter, with no need to re-zero the instrument during use
- High resolution controlled field search head - The strongest signal is in the centre of the search head making it accurate even when working at very close reinforcement bar centres or near metal objects, e.g. close to scaffolding or metal window frames
- Versatile - Supplied with a standard 100mm (4") head it will also accept a 150mm (6") head and a Borehole Probe for locating rebars and locating tendon ducts at great depths
- Rebar Plus rebar locators can quickly and easily distinguish between horizontal and vertical bars due to their highly directional detection field
- Clear Instrument Display - High quality meter shows signal strength and battery state
- Headphone socket - Clearly detect the rebar in noisy environments



Maximum Signal



Minimum Signal



Identification and Orientation of the bar

The Elcometer P120 can distinguish between horizontal and vertical bars. After locating the steel reinforcement bars in the concrete, rotate the rebar locator's search coil (probe) until the maximum and minimum signals are found. The maximum signal indicates the bar is running parallel to the search coil's handle, the minimum signal indicates that the bar is running at 90° to the search coil's handle – see diagram.

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Technical Specification

Part Number	Description
W120155I	Elcometer 120 Imp Rebar Plus Locator - Metric
W120155J	Elcometer 120 Imp Rebar Plus Locator - Imperial
Packing List	Elcometer 120 Imp Rebar Plus Locator, search head, 4 x LR6 (AA) batteries, leather carry case, operating instructions

Accessories

TW999165G	Probe Lead for Elcometer P120
TW999198F	100mm (4") Directional Search Coil for Elcometer P120
TW999198E	150mm (6") Extra-Depth Directional Search Coil for Elcometer P120

Detection Ranges For Single Reinforcement Bars

Rebar Diameter		Detection Depth		Resolution of Parallel Bars	
mm	inches	mm	inches	mm	inches
8	0.32	120	4.72	60mm pitch at up to 35mm	2.36" pitch at up to 1.37"
16	0.63	140	5.50	75mm pitch at up to 50mm	2.95" pitch at up to 1.97"
32	1.25	160	6.30	150mm pitch at up to 85mm	5.90" pitch at up to 3.35"