

Borehole Probe Duct Locator



The existing range of Protovale concrete cover meters and concrete rebar locators are unequalled at finding the precise location of the first layers of reinforcing bars with the transfer bar tied to it. Covermeters are also the ideal measuring instrument to measure depth of steel reinforcement (rebars) in concrete.

However, no covermeter in the world will find a second or subsequent layer of steel reinforcement in concrete. Nor can a covermeter locate pre-stressing or post tensioning tendons deep inside the concrete underneath the top reinforcement.

The new Protovale Borehole Probe or 'Tendon Duct Locator' is the first instrument for finding steel reinforcement in concrete below the top layer of rebar. It can quickly and reliably locate steel reinforcement in concrete such as rebars or tendon ducts, even if hidden behind layer after layer of rebar.

An ideal addition to our Rebar plus rebar locator or one of our cover meters

A unique tool for a tough job!

Technical Specifications

The Protovale Borehole Probe / Tendon Duct Locator solves the problems of finding tendon ducts in concrete can also find steel reinforcement in concrete even if hidden behind the top layer of rebars

- **Reduces unnecessary boreholes** : Significantly reduces abortive drilling that both cost time and money.
- **Drill holes faster and more safely** : Drill with confidence knowing that you're safe from hitting metal in the concrete for a measured distance
- **Protect drills and steel reinforcement**: The Probe warns you before you hit metal, reducing damage to drills, tendons and rebars
- **Install anodes accurately** : Use the Probe to install anodes at the correct distance from steel reinforcement.
- **Rugged enough for the toughest sites.** :Sturdy construction and fibreglass shaft
- **Directional location field** : Rocker switch on probe head allows fast, easy change between forwards or sideways detection.
- **Measures depth of hole** : The probe shaft is calibrated to measure depth drilled.
- **Backed-up by full product support service** :Full one-year guarantee on parts and labour

Accuracy	+ - 1cm	Dimensions	Compatibility
Features		Overall length	Needs special lead Rebar +
		Reach	Direct connection CM52
	Tough, lightweight construction	Shaft marking	If modified for probe CM9
	Depth of bar measurement on probe	Shaft diameter	Needs special lead Imp
	Fast bayonet connection	Weight	If modified CM5
	Forward or or sideways detection	Optimum hole diameter	

Accurate and reliable directional sensing method - using the directional sensing probe technology.

By rotating the probe and selecting forwards or sideways sensing reinforcement lying below the first layer of rebar can be quickly located. No other system can compare for ease of use and reliability.

Approximate detection ranges

When connected to	Rebar Plus	CM52	CM9
70mm diameter tendon duct (side view)	80 mm	45 mm	60 mm
70mm diameter tendon duct (front view)	110 mm	60 mm	90 mm
20mm diameter rebar (side view)	55 mm	30 mm	45 mm
20mm diameter rebar (front view)	75 mm	40 mm	60 mm

The 'easy' solution for finding tendon ducts and 'hidden' layers of rebar using a simple and reliable detection method.

1. First, a clear area between rebars is found to safely drill a hole.
2. The probe is then inserted to find information about 'hidden' reinforcement.
3. Simply increasing the depth of the borehole, and re-inserting the probe as necessary to quickly find steel rebars or tendon ducts in concrete.

