



The ABM-30 is a unique MEMS based mapping probe designed for trade size ducts DN40 and 1½". With a diameter of just 25mm/1", the ABM-30 can map aged pipe with slight deformations and negotiate bends with a minimum radius of 0.6m / 2'.

The ABM-30 can be fitted with bespoke soft foam spacers to ensure optimal alignment while still allowing the probe to pass duct deformations up to 20% ID.



The ABM-30 is compact and easy to operate, even in congested manholes. Data processing requires mere minutes, so a trained team can map up to 8 duct segments per day.

System output includes 3D as-built data, 2D and 3D bend radius data, accurate duct length and a separate software module generates output suitable for calculating cable tension when pulled or blown.

Key Technical Specifications

Probe length	±420mm / 16.5"	Max. pulling force	40kg/80Lb
Outer diameter	25mm / 1.0"	Recommended speed	1m(3')/sec
Probe weight	0.6 kg / 1.2lb	Data logging rate	100 Hz
Inclination range	+45 to -45 degrees	Battery type / autonomy	Lithium Ion / 4 hours
Pipe ID range	29-34mm / 1.1-1.35"	Output format	ACad, kml, xlsx, csv, xml
Max. Length (XYZ only)	300 m / 1000'	Optional extras	Foam Centralizer set