

The **world's smallest** gyro-mapping solution is  
the smartest solution for data ducts



The ABM-30 Gyro Mapping System is designed for small data cable ducts with trade size DN40 / 1.25". Despite its size, it performs just like its big brothers, accurately mapping the location and shape of the duct.



Take no risk, get it **mapped!**

The articulated design and smart foam spacers ensure optimal measurement results.



Highly accurate



Easy to operate



Robust design



Waterproof



No electromagnetic interference



No tracing required



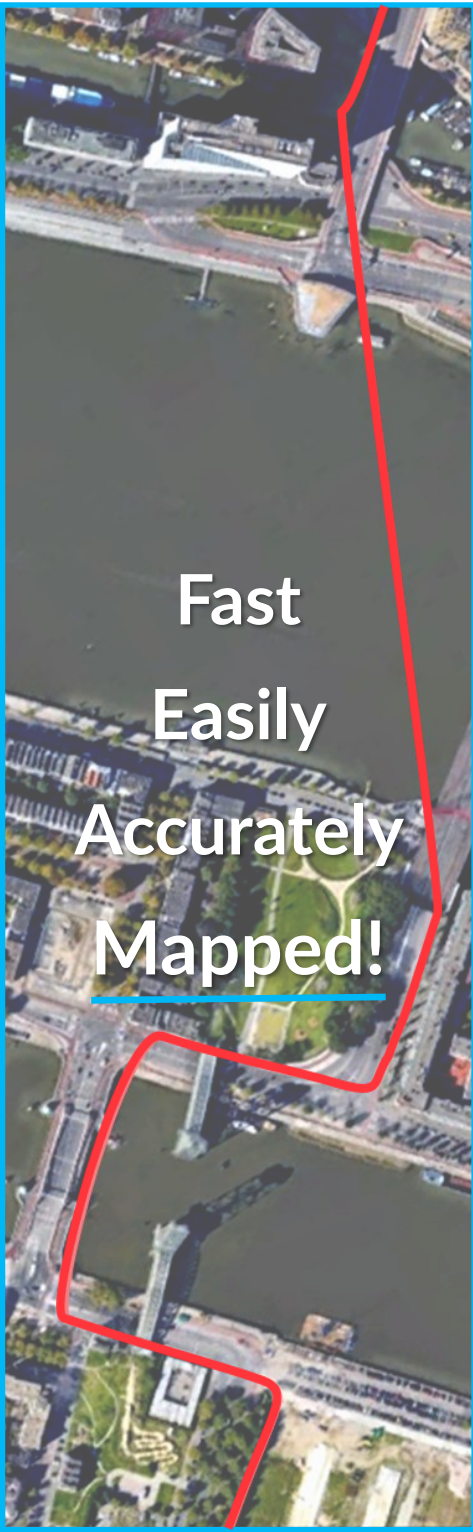
High frequency data logging



Open platform output



Fast  
Easily  
Accurately  
Mapped!





## Technical and Operational Specifications



Probe type	ABM-30
Core technology	MEMS Gy Fiber
Maximum segment length	300m / 1,000'
Data logging rate	100 Hz
Operating temperature	0°C to 50°C / 32°F to 120°F
Inclination range	+45° to -45°
Probe length (ex. spacers)	±420mm / 17" (articulated)
Probe outer diameter	27mm / 1.1"
Probe weight	0.6kg / 1.2lb
Mean travelling speed	1 m/s - 3 ft/s
Max. pulling force	40kg / 80Lb
Maximum acceleration	5g
Battery type/Autonomy	Rechargeable Li-ion / 4 hours

Standard output compatibility (selection)



## Recommended winches for optimal mapping accuracy



**DRW-200**  
Manual winch  
Capacity 200m/660'



**DRW-312M**  
Manual winch  
Capacity 300m/1000'



**DRW-560S**  
Electric winch  
Capacity 1750m/5750'

## Reduct Academy

Get access to our virtual academy and learn how to assemble and operate the various systems, and how to process the logged data before you hit the field.

Advanced courses such as single entry method and bend radius calculation become available once you have completed the basic system courses.



## Reduct Cloud services

The Reduct Cloud Services platform offers advanced tools that facilitate management of your equipment pool and monitoring key quality and performance variables such as spread, length scaling statistics of measurement performance by operator, system, pipe type and customer.

## Central management of mapping equipment

As Administrator of the Reduct Cloud Services you can track the performance of your pool of mapping tools. The clearly structured dashboard enables you to filter data by device, operator, project and much more.

## System performance statistics

Individual mapping device statistics enable you to plan maintenance effectively and ensures the provision of highest quality service, while ensuring the longevity of your equipment.

## Field crew performance statistics

As Administrator you can review all User activities, while individual Users can review their own activities as well. In the Performance Reports section you have full oversight of User historical performance statistics. User statistics help in identifying the need for refresher and advanced training courses, most of which are offered in the Reduct Academy.

## Secure storage of encrypted data

The Reduct Cloud Services platform runs on highly secure third-party servers. Our regional server architecture is hosted by ISO27001 and ISO9001 certified partners to ensure your critical data does not leave your chosen region.

Only encrypted data required for quality assessment purposes is stored in the cloud. XYZ coordinate files are only saved to your local laptop, unless the User consents to upload it to the cloud for easier sharing and reporting.

## Contact

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