RFID Linked

DownUnderID

powered by QR2id.com

Underground Asset and Services Identification

What is DownUnderID?

DownUnderID is simply the best way to ensure that underground assets are able to be accurately located and identified from the surface, along with relevant information.

The private cloud-based ***DownUnderID*** service works in conjunction with your own asset management systems to optimise asset identification in the field.

How does it work?

DownUnderID uses low cost and extremely long-life Komplex® RFID Markers, which are buried with the underground asset/service at strategic points.

Marker locations are logged at deployment and a specialised Locator can be used above-ground to read the RFID Code and accurately identify the asset/service and establish its precise buried location.

Scan to deploy RFID Markers

Deploying an RFID Marker is as simple as using a standard smart phone or tablet to scan the QR2id Code supplied in/on the marker. Applicable asset/service details are then entered on a simple form (on or offline).

The GPS location from the phone or tablet provides the nominal location of the asset/service, with no specialised equipment or software required. All data is stored securely in Australia, with API integration available.

Distinguishing between services

Water, Power, Sewer, Telecommunications and Gas assets/services are all individually distinguishable with colour coded Markers that have separate operating frequencies.

Lower cost analogue Markers can be used to establish the service path, with uniquely coded Smart Markers used to identify specific assets, connections, couplings, joints, terminations, or changes in depth or direction.

Augmented Reality (coming soon)

We are excitedly awaiting the release of Augmented Reality functionality in the QR2id App. This will allow users of ***DownUnderID*** to not only visualise the location of assets and services on a map, but also overlay asset images and data on real-time vision through the camera.

Are there other uses for QR2id?

The QR2id Service can enhance efficiency and simplify record keeping for an extremely wide range of tasks.

Scanning the QR2id Code can provide controlled and contextually relevant access to work-flows, checklists, and information.

amtac

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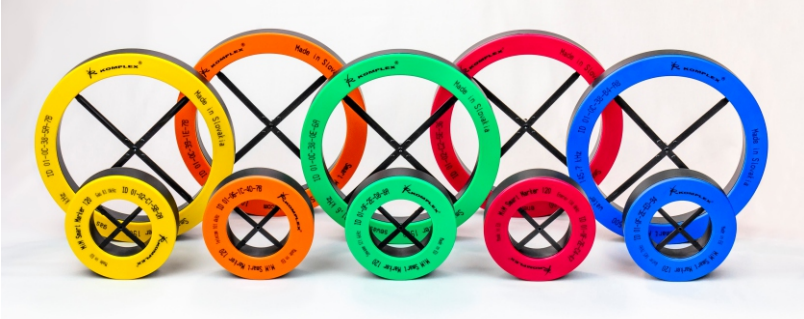
RevisionID

Scan QR2id Code to confirm this is the latest revision or visit QR2id.com and enter Serial Number:

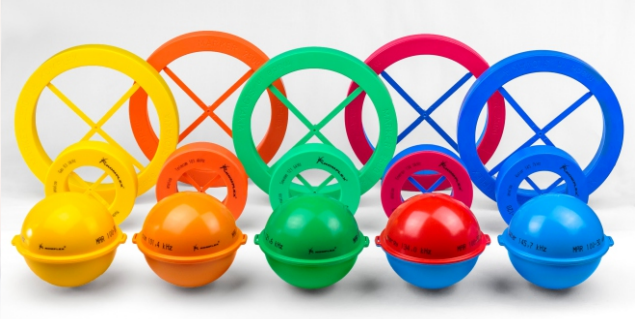
22HY-TC4S-J46D

DUID-01 16 October 2018 Rev 02

Smart Markers (with unique RFID code)



Analogue Markers (service identification)



General Specifications

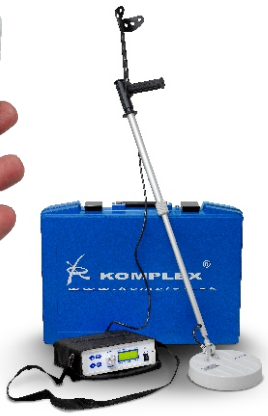
Service/Asset Type	Gas	Telecoms.	Sewer	Power	Water
Operating frequency	83.0 hKz	101.4 hKz	121.6 hKz	134.0 hKz	145.7 hKz
UG Locator Type	SML G	SML T	SML S	SML E	SML W
Casing material	**High Density PS** (except Mar 100-3D, which has PE casing)				
Operating temperature	**-20°C to 60°C**				
Service life	**50 years**				
Deployment	**QR2id App / Smart Phone or Tablet** (iOS or Android)				

Smart Markers	MiM 120 SM	MiM 1500 SM
UG Reading Range	1,000mm	1,700mm
Dimensions	119mm (D) x 33mm (H)	225mm (D) x 28mm (H)
Weight (inc. QR2id Disc)	Max. 130g	Max. 310g
QR2id Disc	12 Unambiguous Alphanumeric Character Serial / QR2id Code	
RFID Serial Number	10 Digit Hexadecimal (data linked to QR2id Code)	

Analogue Markers	Mar 100 3-D	MiM 120 A	2500 / Long A
UG Reading Range	1,200mm	1,400mm	1,800mm / 2,500mm
Dimensions	130mm (D)	119mm (D) x 33mm (H)	225mm (D) x 28mm (H)
Weight (inc. QR2id)	Max. 210g	Max. 130g	Max. 310g
QR2id	12 Unambiguous Alphanumeric Character Serial / QR2id Code		
RFID Serial Number	Service detection only - no unique RFID code		

Smart Locator	SML x
Marker depth accuracy	+/- 10% up to marker specifications
Dimensions	225mm x 240mm x 210mm
Weight	Max. 4kg
Battery life	45 working hours
Operating temperature	-20°C to 60°C
Storage temperature	-20°C to 60°C

QR2id App	
Free for iOS / Android	https://QR2id.com/app



KOMPLEX®

RFID Markers & Locators

DownUnderID.com