



 **KOMPLEX**[®]

MiM Marker 120

The new dimension
of marking

www.komplex.sk

The lifetime
of the MiM Marker 120
is 50 years!



MiM Marker 120

MiM Marker 120 is the new type of marker from Komplex company. MiM Marker 120 was especially designed for permanent marking of the underground facilities located in the less depths. Thanks to the small dimensions is the **MiM Marker 120** the ideal solution for marking of the underground facilities in the narrow trenches. The reading range of the **MiM Marker 120** is adapted to provide the exact detection in the small depths where the exact location of bigger markers is more complicated.

MiM Marker 120 is produced in two versions:

- **MiM Marker 120 analog** – an analog version
- **MiM Smart Marker 120** – a version with the ID number





MiM Marker 120 analog

is a passive analog marker designed for the permanent marking of the underground facilities. The external diameter of the markers is only 12 cm which means that the **MiM Marker 120** analog can be used in the narrowest trenches or in the places with bad access. **MiM Marker 120** analog represents the cost friendly and reliable way of marking all types of the underground facilities where the exact and clear detection is needed.

MiM Marker 120 analog is used for the straight-lined sections of the following underground facilities:

- gas pipelines
- optical and telecommunication cables
- sewage pipelines
- energy cables
- water pipelines
- etc.



MiM Smart Marker 120







represents the last type of ID marker developed in Komplex company and belongs to the family of 12 cm markers. This marker was especially designed for exact and clear marking and detection of all strategic points of the underground facilities which are located in less depth or narrow trenches. The serial ID number of the **MiM Smart Marker 120** provides the 100% correct identification of each point of the underground facility where the **MiM Smart Marker 120** is installed.

MiM Smart Marker 120 is used mainly for marking of the strategic points of the underground facility such:







- Connections, couplings
- Crossing with another network
- Change of direction
- Change of depth
- Concurrence of several networks
- Valves
- Etc.

All MiM **Smart Marker 120** are visible in the PC software Marker Database® and also in the mobile phone in the Marker Database® application.

Technical parameters: MiM Marker 120 analog

Underground network type	Gas pipeline	Telecom. cable	Sewage pipeline	Energy cable EU	Water pipeline	Energy cable US
Working frequency (kHz)	83,0	101,4	121,6	134,0	145,7	169,8
						
Casing material	High Density PS					
Dimensions	Diameter × Height 119 × 33 mm					
Weight	Max. 116 g					
ID serial number	NO					
Reading range	Up to 1,4 m (4,59 ft)					
Working temperature	-20 °C +60 °C					
Life time	50 years					

Technical parameters: MiM Smart Marker 120

Underground network type	Gas pipeline	Telecom. cable	Sewage pipeline	Energy cable EU	Water pipeline	Energy cable US
Working frequency (kHz)	83,0	101,4	121,6	134,0	145,7	169,8
						
Casing material	High Density PS					
Dimensions	Diameter × Height 119 × 33 mm					
Weight	Max. 122 g					
ID serial number	YES - 10 digits hexadecimal unique code					
Reading range	1,0 m (3,28 ft)					
Working temperature	-20 °C +60 °C					
Life time	50 years					

Using of the MiM Markers 120 for marking of the underground network is the most effective way how to detect any point of your underground network in the future.

