Smart Markers

From top to bottom:
Flat Marker, End Stop Marker,
Ball Marker

KEY TECHNICAL PARAMETERS

Reading depth: Up to 170 cm

Working frequency: 101.4 kHz

Writing/reading function: Yes

Colour: Orange

PRODUCT DESCRIPTION

Passive electrical devices designed to permanently denote the location of underground utility infrastructure. Round, flat, and miniaturised designs are available, each suited to different types of excavations and depths. Each smart marker has a pre-programmed ID number which enables digital management of underground asset data.

APPLICATION AREA

Smart markers are used throughout the world to denote the location of underground utilities infrastructure, including telecommunications networks. Depending on the location of a network and the likelihood of future maintenance or accidental damage, markers may be placed only at critical locations in the network, such as underground access chambers, spare cable loops, and splice points; or they can be placed at regular intervals throughout the whole network, including long, straight runs between access points.

In contrast to analog markers, which are generally used to mark direct sections of an underground network, the RFID functionality of smart markers means additional information about specific strategic points in the network can be collected and stored:

‣ Connection
‣ Crossing with another network
‣ Branch, branching network
‣ Change in network direction
‣ Change in network depth
‣ Underground shaft/ manholes etc.

FEATURES

‣ Reliable marking of underground utility infrastructure

‣ Each marker has a pre-programmed ID for digital management of underground asset data

‣ Round, flat, and miniaturised designs available

‣ Different designs suitable for different trench sizes and depths

‣ Can be attached to assets or laid freely in trench

‣ Marker covers are made of high-strength plastics for resistance to mechanical and chemical damage

‣ Work reliably for decades without maintenance

PRODUCT VARIATIONS

Product Name	Reading Depth (cm)	MOQ / Packaging	SAP Code
Smart End Stop Marker 60cm, 101.4 kHz	60cm	10	20096019
Smart Ball Marker 100cm, 101.4 kHz	100cm	10	20096020
Smart Flat Marker 170cm, 101.4 kHz	170cm	10	20096021