



GEKA coupling for
water hose feed

Connection to
AUTO TRT BOX



Housing with integrated
magazine and control
electronics

PE coupling to
geothermal probe

GEOsniff® AUTO TRT KIT

System to implement an automatic Enhanced Geothermal Response Test (EGRT) with a heating cable inside or outside of an geothermal probe. The measurement is carried out with cyclically inserted GEOsniff® TRT MEASUREMENT PIGS into the geothermal probes.

Field of application	Fully automatic implementation of an Enhanced Geothermal Response Test (EGRT) with GEOsniff® TRT MEASUREMENT PIG
Design	Robust housing made of aluminum and plastic
Measuring principle	Heating a geothermal probe with a heating cable. A GEOsniff® TRT MEASUREMENT PIG is inserted in defined time intervals into a geothermal probe via a magazine. After measuring, all GEOsniff® TRT MEASUREMENT PIGS are pumped up and read out automatically.
Measuring cycle	Approximately 72 h, depending on subsurface
Integrated measuring sensors	Temperature sensors for monitoring the heating cables
Geothermal probe connection properties	Screwable onto D32 or D40 geothermal probe
Online connection and interfaces	Online connection with YouFootprint® portal to read measuring data, push notifications when measuring is finished
Maintenance	Maintenance-free operation
Power supply	230 VAC (400 VAC optional)
Power consumption	Depending on required heating capacity up to 3.6 kW (max. 4.6 kW)
Installation requirements	Geothermal probe must be open and accessible
Dimension / weight	Ø120 x 480 mm / 4 kg (entire KIT max. 30 kg)
IP Code	IP65

GEOsniff® AUTO TRT KIT Components



1x AUTO TRT MAGAZINE



1x AUTO TRT BOX
Switch box with control electronics
for AUTO TRT MAGAZINE,
Heating cable and pump, integrated
GSM/UMTS/LTE connection



1x submersible pump
with water reservoir



10x GEOsniff® TRT
MEASUREMENT PIG



1x cable drum with
heating cable for the
geothermal probe