#### PERMANENT TEST STATIONS

# Types and functions

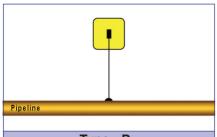
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## German Cathodic Protection

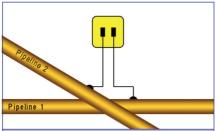


Permanent test stations are installed at selected locations along the protected structure to test, monitor and control the performance of cathodic protection.



Type - P -

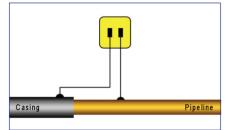
For pipe-to-soil potential measurements



### Type - CR -

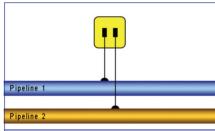
For checking interference between the protected pipeline and other pipelines or structures as well as pipe-to-soil potential measurements





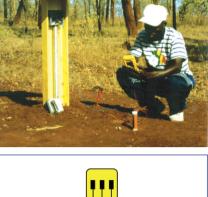
#### Type - CA -

For checking the electrical isolation between pipeline and casing as well as pipe-to-soil potential measurements



#### Type - PB -

For electrical connection of isolated pipelines using a variable resistor as well as pipe-to-soil potential measurements

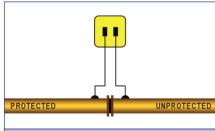


## Type - RM -

RE 📙

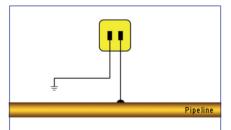
Telecommunication

For remote monitoring of pipe-to-soil potential using transmitters



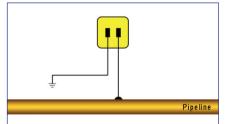
### Type - I -

For checking the efficiency of insulating flanges or joints as well as pipe-to-soil potential measurements



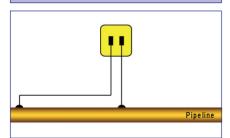
## Type - E -

For earthing the pipeline interfered by induced high voltage lines by means of lightning arresters as well as pipe-to-soil potential measurements



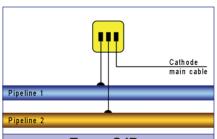
### Type - L -

For earthing the pipeline interfered by induced high voltage lines by means of diodes and condenser cascades as well as pipe-to-soil potential measurements



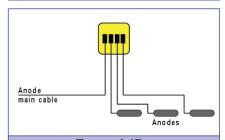
Type - C -

For measurement of pipeline current as well as pipe-to-soil potential measurements



# Type - CJB -

For connection of pipelines or structures with different current requirements using diodes and variable resistors



# Type - AJB -

For measuring and adjusting output current of individual string anodes using shunts and variable resistors