







2 Basic information about this teaching practice 1) Elementary requirements of this teaching practice having knowledge of the basic principle of Georobot and its application for automatic deformation monitoring of engineering construction; mastering the basic principle, application situations and the general operation process of two automatic deformation monitoring systems with Georobot.







5) Necessary instruments
•	One Leica Georobot, installed mobile network automatic measuring software;
•	One portable computer, installed mobile automatic network data processing system and fixed Georobot automatic deformation monitoring system.;
•	One communication cable;
•	Several tripods and prisms;
•	One measuring umbrella;
•	Several steel tapes.
and the particular	



2	Technical components of Georobot
•	coordinate reference system
•	manipulator system
•	Actuator
•	computer/controller
•	closed loop control sensors
•	decision making
•	target finding integration of sensors





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8 Conclusions

'Teaching Practice of Automatic Measurement with Georobot' can provide new conditions and views for the students and make them understand and learn how to use advanced instruments and technologies more skillfully, efficiently.

And it's necessary to set up this teaching practice.

