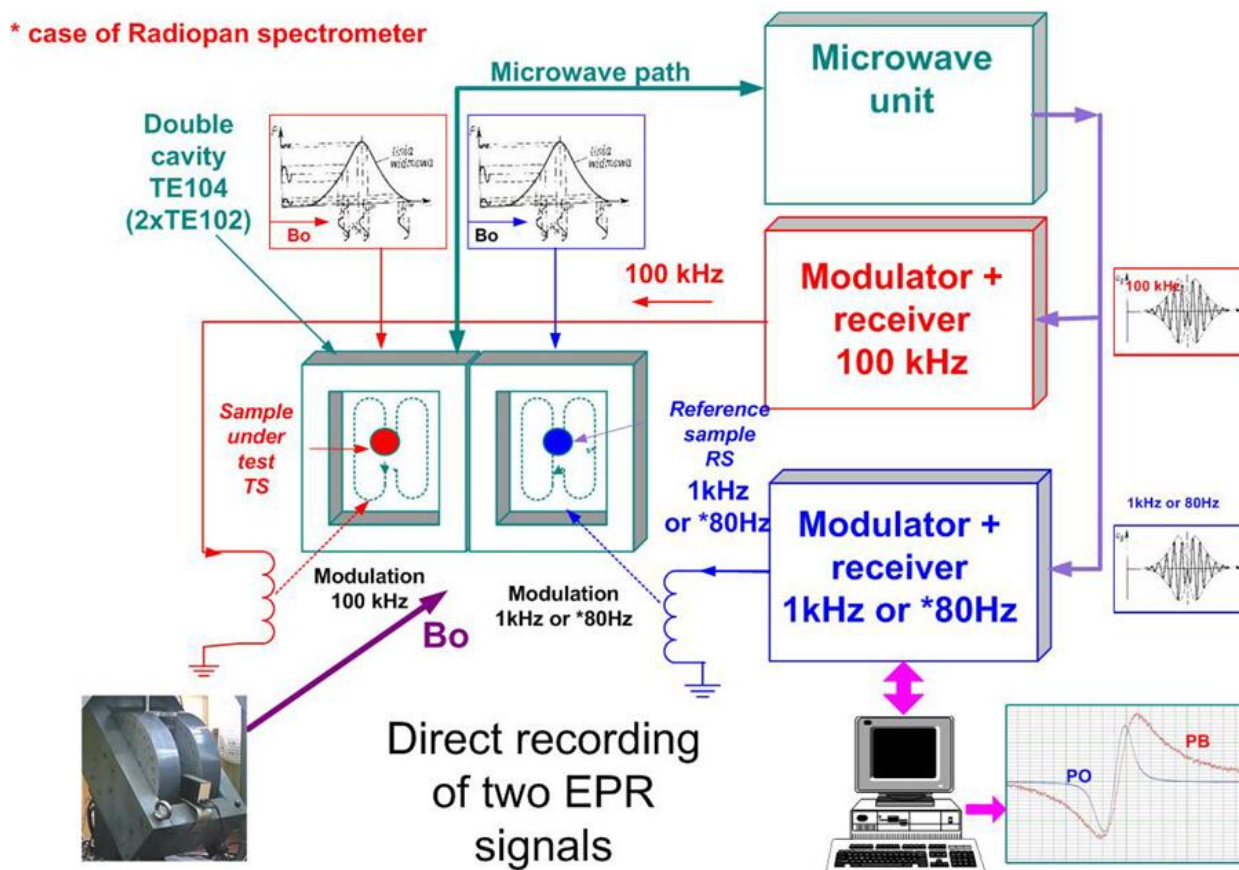


### Radiopan 2-EPR System (after modification)

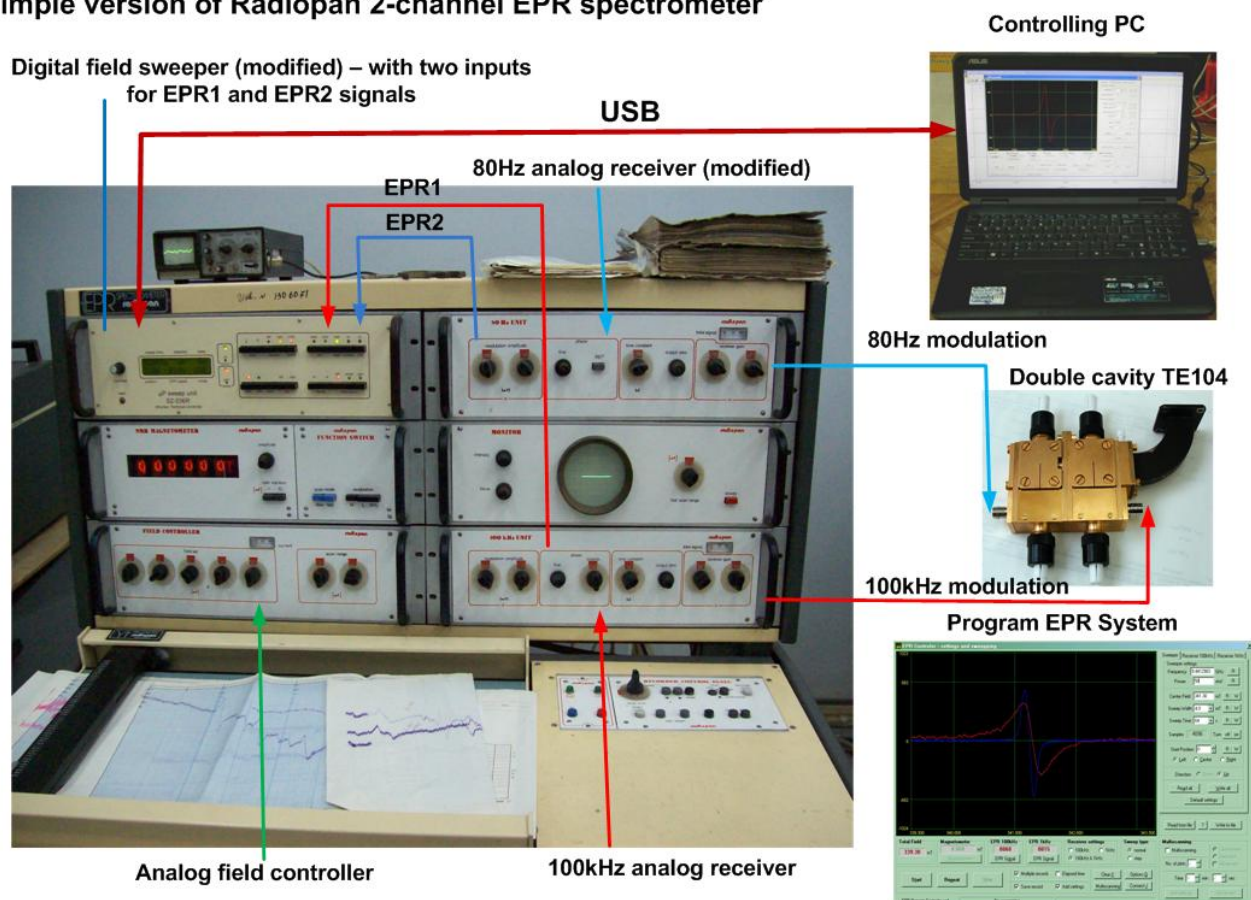
#### I. Concept

#### Concept of 2-channel EPR spectrometer



## II. Simple version of Radiopan 2-EPR System

### Simple version of Radiopan 2-channel EPR spectrometer



#### The system includes:

1. Double original Radiopan rectangular cavity TE104 mode (RX104A) - *recommended*
2. Digital field sweeper – with analogue inputs for both EPR signals. *The already installed sweeper must be modified.*
3. Radiopan analogue 100kHz receiver – as the first EPR signal receiver
4. Radiopan analogue 80Hz receiver – as the second EPR signal receiver. *The already installed 80Hz receiver must be modified*
5. Program EPR System for 2-Channel EPR spectrometer. *The installed program must be modified*
6. The rest of the spectrometer: console, microwave unit, analogue field controller, electromagnet with power supply, NMR magnetic field meter etc.

#### Advantages:

*Full computer control of the magnetic field sweeping with synchronous recording of two EPR signals from both measured samples*

#### Approximate prices (including 23% VAT)

1. 2-channel Radiopan cavity (RX104A)	9900 \$
2. Modified digital field sweeper	6500 \$
3. Modification of the analogue 80Hz receiver	1500 \$
4. Program EPR System	<b>gratis to digital field sweeper</b>
5. Installation - including costs of the trip (tickets, visa, hotel, diets) for two persons and 2 - 3 days	<b>2 x 850 \$ = 1700 \$</b>
	<b>Total 19600 \$</b>
	up to 6 months

#### Delivery time:

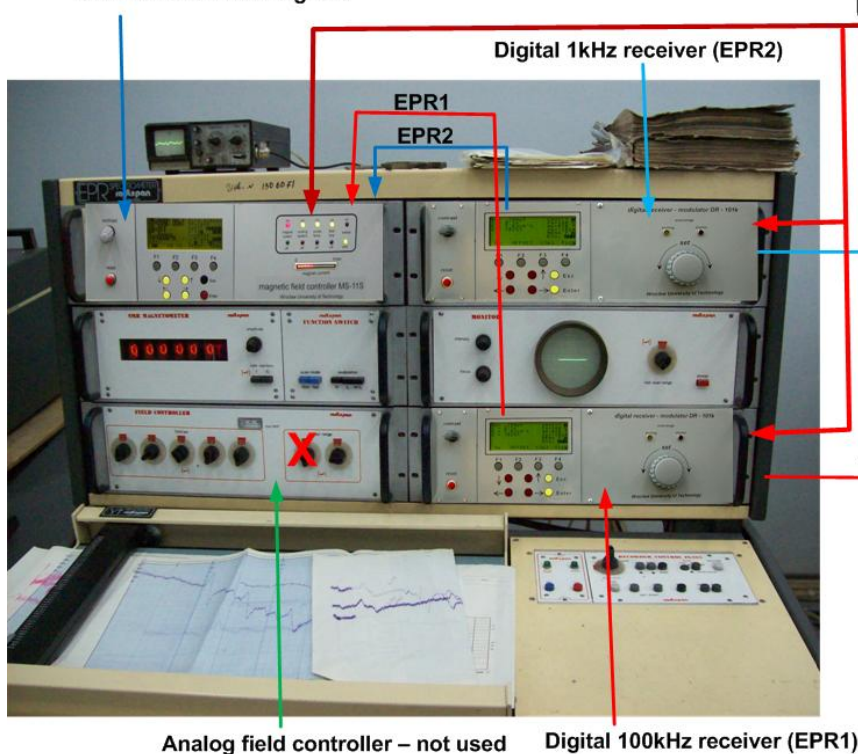
#### Remarks:

1. The price of the Bruker double cavity **ER4105DR** (including 19% VAT) **26900 \$**  
+ modification costs of the both EPR signal receivers: 100kHz and 80Hz

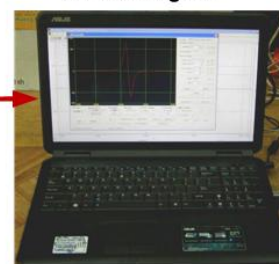
### III. Advanced version of Radiopan 2-EPR System

#### Advanced version of Radiopan 2-channel EPR spectrometer

Digital field controller with two inputs for EPR1 and EPR2 signals



Controlling PC

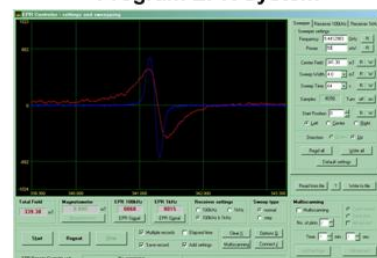


USB

1kHz modulation

Double cavity TE104

Program EPR System



100kHz modulation

#### The system includes:

1. Double original Radiopan rectangular cavity TE104 mode (RX104A) - **recommended**
2. Digital field controller – with inputs for both EPR signals (**new unit**)
3. Digital 100kHz EPR signal receiver – as the first receiver (**new unit**)
4. Digital 1kHz EPR signal receiver as the second receiver (**new unit**)
5. Program **EPR System** for 2-Channel EPR spectrometer.
6. The rest of the spectrometer: console, microwave unit, electromagnet with power supply, NMR magnetic field meter etc.

**Remark:** some modification of installed microwave bridge and of magnet power supply is **needed**

#### Advantages:

*Full computer control of the magnetic field setting and sweeping with synchronous recording of two EPR signals from both samples*

*Full computer control of the both EPR signal digital receivers*

#### Approximate prices (including 23% VAT)

1. 2-channel Radiopan cavity (RX104A)	9900 \$
2. Digital field controller	12500 \$
3. Digital 100kHz EPR signal receiver	10000 \$
4. Digital 1kHz EPR signal receiver	9000 \$
5. Program EPR System	<b>gratis to digital field controller</b>
6. Installation - including costs of the trip (tickets, visa, hotel, diets) for two persons and 2 - 3 days	<b>2 x 850 \$ = 1700 \$</b>
<b>Total</b>	<b>43100 \$</b>
	up to 6 months

#### Delivery time:

#### Remarks:

1. Price of the **Bruker** double cavity ER4105DR (including 19% VAT) **26900 \$**  
+ modification costs of the both EPR signal receivers: 100kHz and 1kHz
2. Price of the **WUT** double cavity TE104 (covered with silver) including 23% VAT **6800 \$**