

Radio Transmitter Set RT100

Wireless Remote Control
of Leak Detectors for
Testing Large Vacuum
Systems

Technical Information 180.59.02



Radio Transmitter Set RT100

Wireless radio transmitter and receiver for convenient remote control of leak detectors.



Customer Benefits

- Wide barrier-free action area of wireless data transmission (150 m resp. 500 feet)
- Unlimited mobility at leak test
- Operation time 8 hours with one battery package
- Up to 10 leak detectors can be operated simultaneously in the same area by using 10 different channels
- One-man operation
- Easy handling
- Compatible with portable helium leak detectors L200, L200+

Operation details

A portable helium leak detector, like the PHOENIXL 300 for example, is connected cordless to the remote control unit (hand unit) and can be operated within a maximum distance of 150 m (500 ft.). The remote control is not supplemented as standard with the leak detector but available as an option.

An extended software package is available to allow the operator to select additional radio frequencies when multiple leak detectors are in use in one specific area.

Applications

The RT100 radio transmitter package is recommended for use in leak testing large vacuum systems, for example:

- Power Stations
- Vacuum Furnaces
- Glas Coaters
- Particle Accelerators
- Space Simulation

Scope of Supply

- Radio transmitter/receiver ST1 for direct connection to the hand unit
- Radio transmitter/receiver ST2 with 10 m connecting cable for highest position placement at the leak detector if necessary
- Battery package includes charger
- Compact shoulder bag included for convenient equipment transportation and use

Technical Data

		RT100 Radio Transmitter Set	
Radio operation rate	MHz	433	
Programmable number of RF Channels (unlicensed radio path channels)		10	
Programmable number RF output power			
Low	dBm	4	
High	dBm	10	
Radio range	m	150	
	ft.	500	
Max. operation time with one battery pack	hours	8	
Battery charging time	hours	3.5	
Connecting control unit (hand unit)	m	2	
Weight			
without hand unit	kg	2.5	
with hand unit	kg	2.9	

Ordering Information

		RT100 Radio Transmitter Set	
Radio transmitter package RT100	Cat.No.	252 009	
Spare battery pack	Cat.No.	252 010	
Extended software package	Cat.No.	252 011	
Remote control unit for XL300 leak detector	Cat.No.	252 002	

Caution:

Safety information: Operation of the radio transmitter package is not allowed for use in potential explosive areas!

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