



# Wireless M-Bus Repeater

## Highlights

- Radio repetition of W-MBus consumption meters
- T+C modes
- Installation is simple and fast
- Range up to 600m (T+C mode)
- Several repeaters can be associated
- Mains powered
- IP65 standard
- Optional bracket can be supplied



The Wireless M-Bus repeater AMR (Automatic Meter Reading) from Sycous is a ready-to-use system allowing to repeat radio frames from Wireless M-Bus meters.

This repeater can double the range of Wireless M-Bus meters and thus ensure a seamless transmission of radio frames when the data concentrator is located a fair distance from the furthest meter point.

By combining several Wireless M-Bus repeaters, the Sycous Wireless M-Bus repeater extends the transport of transmitted frames over several kilometers.

This product is available as a mains power version, allowing repetition of data transmitted in T+C, R and S modes.

The combination of products in the Sycous AMR range allows you to create an independent ecosystem to ensure the emission, transport and collection of consumption indexes using Wireless M-Bus protocol.

Our Wireless M-Bus solution provides a full compatibility with EN 13757-4: 2005 standard.

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### W-MBus version performances

RF Power: 14dBm (25mW)  
Sensitivity: up to -117dBm  
Range: up to 600m line of sight

### Wireless M-Bus modes

T+C : mains powered  
version S1, R1 on request

### Repeater performances

T+C mode: up to 40 products repeated

### Consumption & needs

Mains version (Power supply block included) Supply voltage: 3.6V nominal

### General information

Operating temperature: -30°C / +70°C  
Dimensions: 145 x 100 x 40 mm  
Case: IP65  
Standards: EN 300-220, EN 301-489,  
EN 60950, EN 13757-4:2005

### References

- AM868WM Wireless M-Bus repeater AMR - Mains



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