



SENSORS &  
CONTROLLERS



ANALYZERS  
& SAMPLERS



LEVEL, FLOW  
& PRESSURE



WEB APP &  
DATALOGGING



ACCESSORIES

# RDR 75 DATASHEET

## RADAR LEVEL TRANSMITTER



### MAIN FEATURES

- Non-contact continuous level measurement
- For liquids (max 20m) and solids (max 10m)
- 80GHz radar pulses
- Visualisation and configuration on removable display module
- Output: 4...20mA; 2 x configurable relays
- Remote control via smartphone

### APPLICATIONS

- Wastewater
- Food and Beverage
- Pulp and paper
- Chemical industry
- Swimming pool
- Fish farming
- Drinking water
- Electroplating
- Cooling towers

## TECHNICAL DATA

Housing / sensor material	PC / PP wet part
Mechanical installation	2 "GAS M (DN80 PP flanges optional)
Degree of protection	IP67 / IP68 (Antenna)
Electrical connection	Pressure terminal blocks
Working temperature	-20... 60°C
Pressure	0.5 to 1.5 bar (absolute)
Power supply	24Vdc
Absorbed power	5W peak; 2.5W average
Analogue output	4 ... 20mA, max 750ohm
Relay in output	N° 2 3A 230Vac (n.a.)
Digital communication	Modbus RTU
Maximum measuring range	0.05...10mt max for solids 0.05...20mt max for liquids The distances expressed are valid for measurements from perfectly reflective surfaces, otherwise the maximum measurable distance is degraded
Block distance	0.05m
Accuracy	± 0.2% (of the measured distance) however not better than ± 3mm.
Resolution	2mm
Calibration	4 buttons or via Modbus RTU or Bluetooth via dedicated App
Visualization	VL601 programming module (optional) With 4 keys and matrix LCD

## DIMENSIONS

