



INTRODUCTION

The Level Meter Radar LMR100 is a non-contact measuring device with excellent reliability in a wide range of applications. This Radar is based on FMCW (frequency modulated continuous wave) technology which is suitable for high temperature and high pressure applications. It operates in 24-26GHz frequency band to ensure that it delivers both accuracy and reliability in a wide variety of level gauging applications. The Level Meter is designed for measuring distance, level, volume and reflectivity of liquids and solids.

Features

- State of the art technology
- Non-contact measuring
- High accuracy
- Easy installation
- Compact in size
- Unaffected by tank pressure and temperature
- Liquid & Solid Applications

Technical Specifications

- Frequency: 24GHz (X-Band is available on request)
- Sweep: 2GHz
- Radiated Power: <5mW
- Accuracy: $\pm 3\text{mm}$ ($\pm 1\text{mm}$ is available on request)
- Measuring Range: 0.5 to 30m
- Output Signal: 4 -20mA/HART 2 Wires
- Protection Category: IP66/67
- Approvals: EXd IICT6

