



- ± 3 mm accuracy
- Simple Installation
- 4-20 mA, two wire output
- High Protection

► SUMMARY

2-wire TDR-Sensor with single rod, wire rope or coaxial probe for continuous level measurement and point level detection in liquids and light solids, with analog output with HART communication.

► PRINCIPLE and OPERATION

KFA2 uses TDR (Time Domain Reflectometry) technology: low-energy, high-frequency electromagnetic impulses, generated by the sensor's circuitry, are propagated along the probe which is immersed in the liquid or solid to be measured. When these impulses hit the surface of the media, part of the impulse energy is reflected back up the probe to the circuitry which then calculates the level from the time difference between the impulses sent and the impulses reflected. The sensor can output the analysed level as a continuous measurement reading through its analog output, or it can convert the values into freely positionable switching output signals. TDR-Sensors are also known as Guided Radars or Guided Wave Radars (GWR).

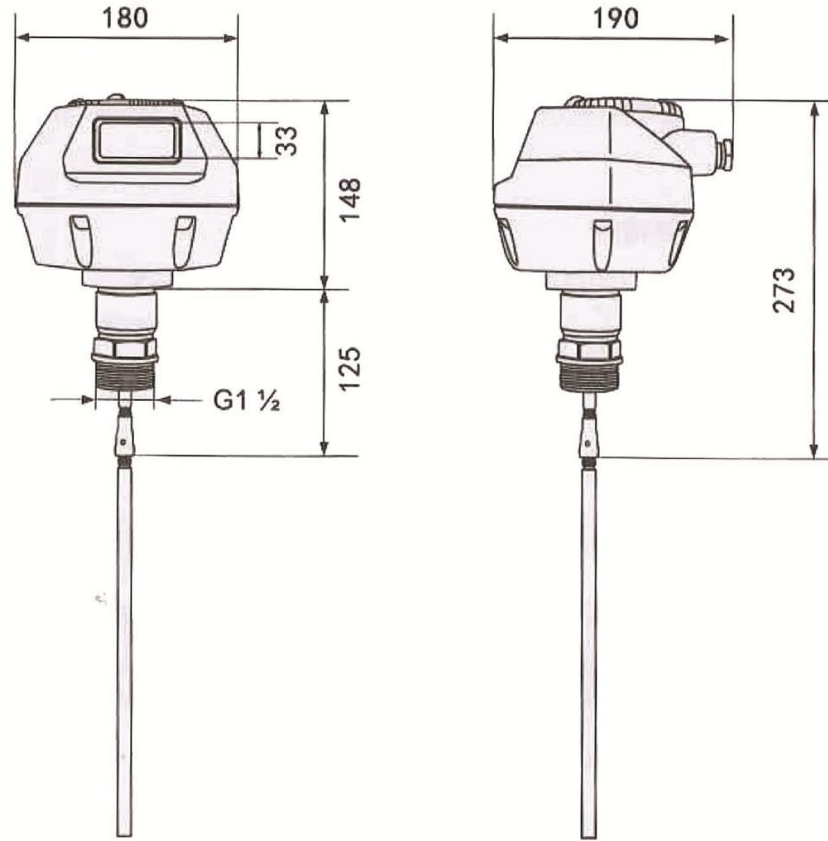
► TECHNICAL SPECIFICATIONS

Power supply	: 24 V DC (230VAC ops.)
Reference accuracy	: ± 3 mm
Measuring Range	: 30m max. for liquids – 15m max. for solids
Frekans Aralığı	: 1...1,8 GHz
Output signal	: 4...20 mA DC, two wire
Communication	: HART
Pressure	: -1...40 bar
Media Temperature	: -40°C...250°C
Process Connection	: G 1 ½" or NPT 1 ½"
Wetted Parts	: AISI316
Display	: LCD, four digit
Protection	: IP67
Hazardous Area	: Ex ib IIC T6 Gb





► DIMENSIONS



► WIRING

