# Kjærulf Pedersen a/s

**Inclinometer type: KPM 100** 



# Application:

• Orientation measurements

#### **Properties:**

- Roll output of ±180°
- Pitch output of ±90°
- Yaw output of ±180°
- Accelerations in three directions
- Angular velocity in three directions
- Magnetic felt strength in three directions
- Modbus communication
- Alarms
- Bootloader



7700001

7700-E010817V1

# **ELECTRICAL SPECIFICATIONS:**

# Supply:

10-28 VDC.

## Output: Modbus RTU RS485 protocol.

**Connection:** M12 Others on request depending on quantity

# FUNCTIONALITY.

The sensor is built for measuring orientation. The main components of the sensor are an accelerometer, a gyroscope, a magnetometer, and a DSP processor for inclinometer calculations. Data output is the orientation in degrees.

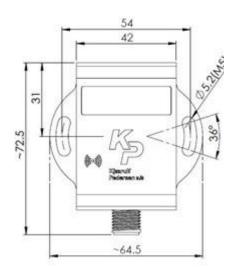
## **ENVIRONMENTAL:**

#### **Temperatures:**

Temperature on electronics: -40°C to 80°C.

#### EMC:

Emission:	Domestic, EN 61000-6-3
Immunity:	Industrial, EN 61000-6-2



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