

Application:

- Orientation measurements

Properties:

- Roll output of $\pm 180^\circ$
- Pitch output of $\pm 90^\circ$
- Yaw output of $\pm 180^\circ$
- Accelerations in three directions
- Angular velocity in three directions
- Magnetic field strength in three directions
- Modbus communication
- Alarms
- Bootloader



7700001

7700-E010817V1

ELECTRICAL SPECIFICATIONS:

Supply:

10-28 VDC.

Output:

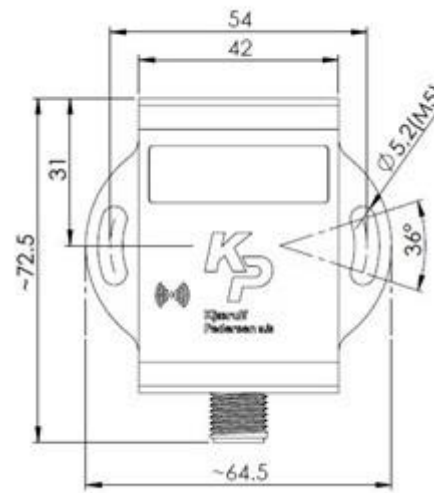
Modbus RTU RS485 protocol.

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