



DAMEN SPEED INDICATOR DOP[®] PUMP

GENERAL

The RPM counter measures the rotation speed of a dredge pump. The measuring system consists of a speed sensor and an electronic display counter. The electronic counter has an LED read-out unit. The speed sensor is a proximity sensor that generates a pulse sequence by detection of a rotating target.

The speed sensor is mounted in a watertight stainless steel casing class IP-68.

The speed sensor casing is provided with a Subconn[®] connector for the cable connection to the electronic display counter. The power supply for the speed sensor comes from the auxiliary voltage of the electronic display counter. The pulse rate within a adjusted range is converted directly to a numeric value on the electronic display indicator. The display counter is a programmable tachometer with adjustments for the parameters. The display counter is fitted in a bulkhead mounting box for stand alone wall mounting.

The RPM counter is also suitable for panel mounting.

GENERAL SPECIFICATIONS:

- Standard measuring range : 0...1000 rpm
- Speed sensor : Submersible housing IP-68
- Power supply counter : 115/230 Vac-50/60 Hz ±10% or 24 Vdc
- Power consumption : approx. 7 VA
- Operation temperature : 0° to 50° C
- Electronic display counter : protection class IP-54
- Field housing counter : 175 x 135 x 185 mm (HxWxD)
- Weight indicator unit : approx. 3 kg

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TECHNICAL SPECIFICATIONS

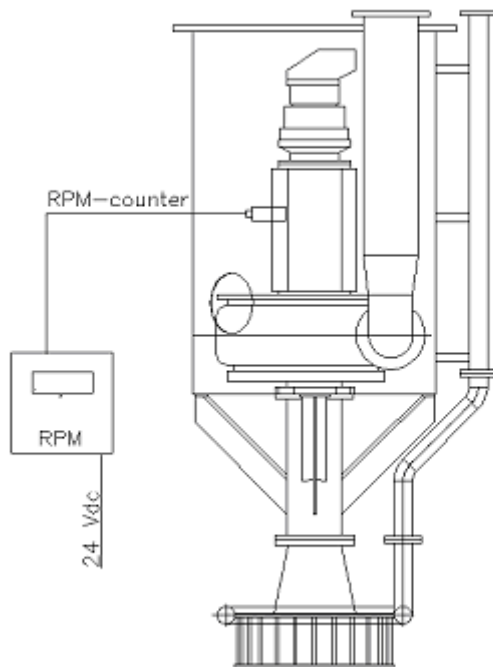
SPEED SENSOR

Sensor type	: inductive proximity switch, 3-wire, PNP output
Sensor unit	: stainless steel casing IP-68, M30x1.5 mm
Cable connection	: Submersible Subconn® connector, IP-68
Power supply sensor	: 24 Vdc from aux. voltage display/counter

DISPLAY COUNTER

Electronic display counter	: display 6-digit, 14 mm high 7-segment LED
Display counter dimensions	: Din housing IP-54, front 96 x 48 mm
Power supply	: 24 Vdc \pm 10%, 115/230 Vac – 50/60 Hz
Auxiliary voltage	: 10 to 30 Vdc for speed sensor
Signal input	: programmable PNP, NPN
Frequency input	: 25 hz/40 kHz
Operation temperature	: 0°C to 50 °C
Precision	: 0,2% of range value, generally +/- 1 digit

Typical application speed measurement DOP® Submersible Dredge Pump



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DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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