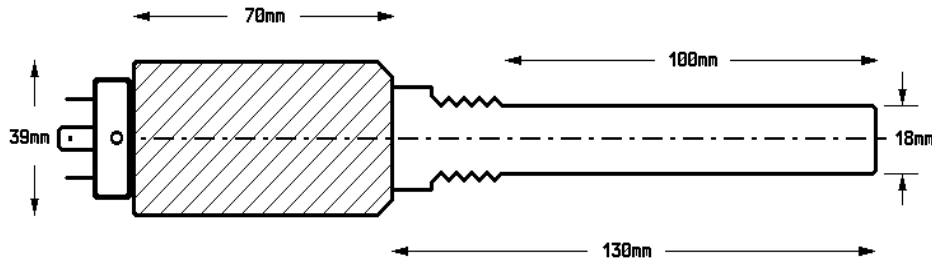


RF – Proximity Detector PD6.1

- Usable for liquids and liquid-like substances
- Principle : high frequency absorption – dependable and reliable



Mechanics :

Sensor head	PTFE (Teflon)
Case	POM (DELTRIN)
Mounting	½ inch unified screw thread
Sonde length	100, 180 and 250mm
Connection	3-pin unified connector (Hirschmann GDM)

Technical data :

Temperature range	Probe head -30 to +200°C (electronics 0-60°C)
Indicator	LED red/green for operating voltage and switching status
Sensitivity	adjustable by potentiometer
Voltage rating	8-30V DC, polarity protected or 20-28V AC
Power consumption	< 20mA + output current
Output	.5 A DC at 24VDC, protected - or 8 Watts AC

The detector is deliverable in different versions:

N : level monitoring (overflow protection)
 F : foam detection (over sudsing limiter)
 H : level control (keep a constant level)

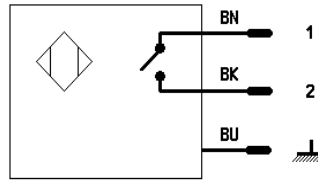
as well as for different length, AC/DC, normally closed or open.

Order key:

Version	Application	Probe length(mm)	Supply	Output
PD6.1	F,N,H	100,180,250	DC, AC	NC, NO

Pinning :

BN = +Vcc = 1
BK = output = 2
BU = Vdd = ground connection



Installation:

- The sonde should be mounted with a minimum distance of 50mm from the container wall. At least 80% of the sonde should extend into the container.
- Mounting torque should not exceed 2N (hand-tight without further force).
- Connect the plug and switch on the supply voltage.
- The sensitivity of the device can be adjusted through the screw-hole of the connector (screwdriver 2.5x50mm). For higher sensitivity the potentiometer is *tentatively* to be turned clockwise. The switching point is indicated by colour change of the LED.
- With 60mm solidity of the sonde-tip reliable operation can be obtained. A lower solidity may cause misoperation of the device!