

Let's Work Together - Click on this sheet to see how we can meet your needs and applications better than before.

Data Sheet

[click here](#)

Data Sheet - General flow captor P-R 50



This flow-captor will solve 75% of your flow-sensing problems - try it out, we can help you!

The P-R 50 is a “R” flow-captor and that means “relative to something else” - in this case, the ‘R’ is relative to your flow speed. If your “R” is something other than flow speed - tell us and we can help you.

We now have two types, an “R” and an “A” flow-captor.

[click here](#)

[for details description, click here](#)

The flow-captor P-R 50 is easy to install. Just put it into the pipe and its ready for you to use - no adjustments.

P-R 50 sets your present flow-rate at 100%. You can see it indicated by our LED lights.

When the flow rate drops to 50%, an alarm goes off.

If you want, you can set the alarm rate to fit your needs, as it is adjustable.

Look at your flow applications - the P-R 50 can solve 75% of them. That's right!

For the remaining 25%, our experienced team of engineers can solve whatever your needs may be, please ask us!

Our type code
You will find what you need with our type code and when you want more options, we can design what ever you need, ore [click here](#)

weber

Sensors Ltd
Sensors Inc.

England: Phone:+44-1704-548-706 + email: sales@captor.co.uk
Germany: Phone: +49-4128-591 + email: info@captor.de
USA: Phone:+1-770-592-6630 + email: info@captor.com

click here

Let's Work Together - Click on this sheet to see how we can meet your needs and applications better than before.

Data Sheet

Data Sheet - technical flow captor P-R 50



Technical Data

Type	flow-captor P-R 50 (Insertion probe type with Relative Flow Measurement)
Medium	Liquid media

Sensor Data

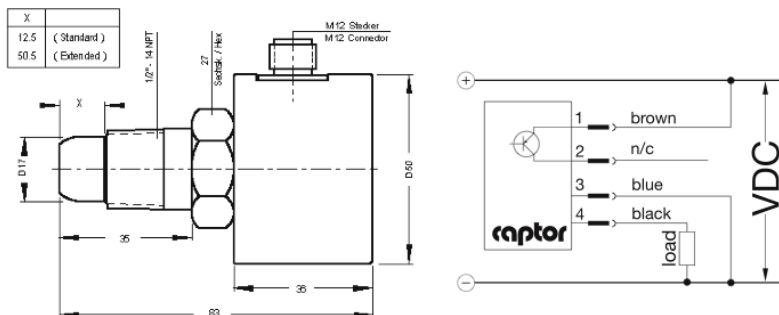
Set point	Auto set @ 50% / Adjustable via "Set" pushbutton
Relative range setting	Set pushbutton
Range display	7 LED's
Set-point display	Flashing LED, setting from 1. to 7. LED
Switch output display	Green LED (ON with flow)
Medium temperature	-20°C to +80°C
Response time	5 seconds (typical)
Repeatability	< 0,5 %
Hysteresis	10 % of set-point value (typical)
Measuring range	0 – 150 cm/s max.
Pressure	30 bar

Mechanical Data

Protection class	IP 65 (NEMA 4)		
Sensor	Stainless steel WN 1.4305 (AISI 303)		
Thread	1/2" BSP alt. 1/2" – 14 NPT		
Housing	Aluminium, anodised		
Connection	M12 male socket 4pin + 2 m cable with M 12 connector and pigtail		
Mass	flow-captor P-R 50:	150 g	Cable: 100 g
	flow-captor P-R 50 EXT:	220 g	Cable: 100 g

Electrical Data

Operating voltage	20 – 30V DC (short circuit protected)		
Switching current	< 200mA		
Power consumption	6 Watt max.		
Initial operation	After 15 seconds		
Electrical output	Type: P-R 50 no	PNP n.o. (Switching output closed with flow)	
	Type: P-R 50 nc	PNP n.c. (Switching output open with flow)	



click here

This is our standard data sheet
If you need specific adjustments, please ask

weber
Sensors Ltd
Sensors Inc.

England: Phone:+44-1704-548-706 + email: sales@captor.co.uk
Germany: Phone: +49-4128-591 + email: info@captor.de
USA: Phone:+1-770-592-6630 + email: info@captor.com