



PFUW Series

MEASURE MORE, INTRUDE LESS

# Clamp-on type flow sensor

For liquids

Quick overview



Expertise  
Passion  
Automation

# Clamp-on type flow sensor

For liquids

CE UK CA RoHS IO-Link



## MAIN FEATURES

**Detection method:** Ultrasonic method (propagation time difference method)

### Rated flow ranges:

- PFUW760: 0 to 60 l/min
- PFUW711: 0 to 100 l/min.

**Supports the IO-Link communication protocol**

① **Ultrasonic reception strength display:** Ultrasonic indicator

② **M12 connector**

## BENEFITS

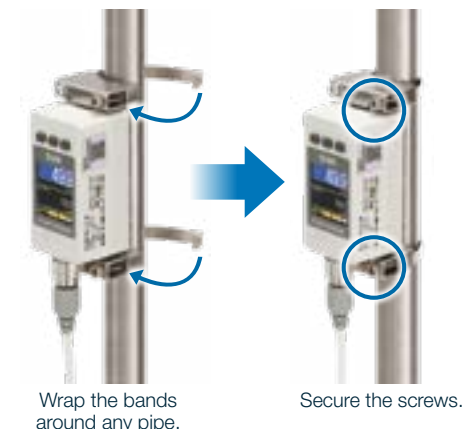
- **Leverage a single sensor for diverse fluid applications** – Various applicable fluids such as oil, antifreeze, chemical liquids, water, beverage, etc.
- **Avoid contact with fluid and leave problems aside** – No pressure loss. No clogging. No foreign matter in the piping. No piping work. No leakage. No water hammer.
- **Expedite your installation and retrofitting process** – Easy and fast mounting with just 2 bands and 2 screws.
- **Bet on a user friendly visualisation** – Dot-matrix LCD colour & 90° rotatable display.

## IP65/67 enclosure

### Types of compatible piping

Flow rate	Port size	
	Nominal A	Nominal B
PFUW760	15A	1/2"
PFUW711	20A	3/4"

**Can be retrofitted to existing piping at any position with two steps**



## SELECTED PART NUMBERS

Part number	Rated flow range [l/min]	Applicable port size	Output specification	Lead wire and connector
PFUW760-L3N	0 to 60	15A, 1/2"	IO-Link/NPN/PNP + Analogue output (1 to 5 V → 0 to 10 V)	Without lead wire with M12 connector
PFUW760-L4N	0 to 60	15A, 1/2"	IO-Link/NPN/PNP + Analogue output (4 to 20 mA)	
PFUW711-L3N	0 to 100	20A, 3/4"	IO-Link/NPN/PNP + Analogue output (1 to 5 V → 0 to 10 V)	
PFUW711-L4N	0 to 100	20A, 3/4"	IO-Link/NPN/PNP + Analogue output (4 to 20 mA)	

## ACCESSORIES

Part number	Description	Note
ZS-37-A	Lead wire with M12 connector	Length: 3 m
ZS-49-A	Lead wire with M12-M12 connector	Male/female conversion, length: 3 m
ZS-57-60LR	Clamp assembly set 60	Left/right mounting bracket set (for the PFUW760)
ZS-57-11LR	Clamp assembly set 100	Left/right mounting bracket set (for the PFUW711)
ZS-57-A	Rubber sheet	Replacement parts

## APPLICATIONS

For the cooling of processing machines (casting machines)



For the beverage management of filler machines



For drainage management



For the cooling of welding guns



For the cooling of PET bottle moulding machines



For coolant management



## RELATED PRODUCTS



**High-precision digital pressure switch for general fluids**  
 ⊕ ISE20C(H)-L Series



**Digital flow switch manifold for water, supply type**  
 ⊕ PF3WS Series



**Direct operated 2-port solenoid valve**  
 ⊕ JSX Series



**3-screen display, 4-channel flow monitor**  
 ⊕ PFG200 Series



Expertise  
Passion  
Automation

## SMC Corporation

1-5-5, Kyobashi,  
Chuo-ku, Tokyo  
104-0031, Japan  
Telephone: 03-6628-3000  
<https://www.smcworld.com>

<b>Austria</b>	+43 (0)2262622800	<a href="http://www.smc.at">www.smc.at</a>	<a href="mailto:office.at@smc.com">office.at@smc.com</a>
<b>Belgium</b>	+32 (0)33551464	<a href="http://www.smc.be">www.smc.be</a>	<a href="mailto:info@smc.be">info@smc.be</a>
<b>Bulgaria</b>	+359 (0)2807670	<a href="http://www.smc.bg">www.smc.bg</a>	<a href="mailto:sales.bg@smc.com">sales.bg@smc.com</a>
<b>Croatia</b>	+385 (0)13707288	<a href="http://www.smc.hr">www.smc.hr</a>	<a href="mailto:sales.hr@smc.com">sales.hr@smc.com</a>
<b>Czech Republic</b>	+420 541424611	<a href="http://www.smc.cz">www.smc.cz</a>	<a href="mailto:office.at@smc.com">office.at@smc.com</a>
<b>Denmark</b>	+45 70252900	<a href="http://www.smc.dk.com">www.smc.dk.com</a>	<a href="mailto:smc.dk@smc.com">smc.dk@smc.com</a>
<b>Estonia</b>	+372 651 0370	<a href="http://www.smc.ee">www.smc.ee</a>	<a href="mailto:info.ee@smc.com">info.ee@smc.com</a>
<b>Finland</b>	+358 207513513	<a href="http://www.smc.fi">www.smc.fi</a>	<a href="mailto:smc.fi@smc.com">smc.fi@smc.com</a>
<b>France</b>	+33 (0)164761000	<a href="http://www.smc-france.fr">www.smc-france.fr</a>	<a href="mailto:smc.fi@smc.com">smc.fi@smc.com</a>
<b>Germany</b>	+49 (0)61034020	<a href="http://www.smc.de">www.smc.de</a>	<a href="mailto:info.de@smc.com">info.de@smc.com</a>
<b>Greece</b>	+30 210 2717265	<a href="http://www.smc.hellas.gr">www.smc.hellas.gr</a>	<a href="mailto:sales@smchellas.gr">sales@smchellas.gr</a>
<b>Hungary</b>	+36 23513000	<a href="http://www.smc.hu">www.smc.hu</a>	<a href="mailto:office.hu@smc.com">office.hu@smc.com</a>
<b>Ireland</b>	+353 (0)14039000	<a href="http://www.smcautomation.ie">www.smcautomation.ie</a>	<a href="mailto:technical.ie@smc.com">technical.ie@smc.com</a>
<b>Italy</b>	+39 03990691	<a href="http://www.smcitalia.it">www.smcitalia.it</a>	<a href="mailto:mailbox.it@smc.com">mailbox.it@smc.com</a>
<b>Latvia</b>	+371 67817700	<a href="http://www.smc.lv">www.smc.lv</a>	<a href="mailto:info.lv@smc.com">info.lv@smc.com</a>

<b>Lithuania</b>	+370 5 2308118	<a href="http://www.smc.lt">www.smc.lt</a>	<a href="mailto:info.lt@smc.com">info.lt@smc.com</a>
<b>Netherlands</b>	+31 (0)205318888	<a href="http://www.smc.nl">www.smc.nl</a>	<a href="mailto:info@smc.nl">info@smc.nl</a>
<b>Norway</b>	+47 67129020	<a href="http://www.smc-norge.no">www.smc-norge.no</a>	<a href="mailto:post.no@smc.com">post.no@smc.com</a>
<b>Poland</b>	+48 222119600	<a href="http://www.smc.pl">www.smc.pl</a>	<a href="mailto:technical.ie@smc.com">technical.ie@smc.com</a>
<b>Portugal</b>	+351 214724500	<a href="http://www.smc.eu">www.smc.eu</a>	<a href="mailto:apoiocliente.pt@smc.com">apoiocliente.pt@smc.com</a>
<b>Romania</b>	+40 213205111	<a href="http://www.smcromania.ro">www.smcromania.ro</a>	<a href="mailto:office.ro@smc.com">office.ro@smc.com</a>
<b>Russia</b>	+7 (812)3036600	<a href="http://www.smc.eu">www.smc.eu</a>	<a href="mailto:sales@smcru.com">sales@smcru.com</a>
<b>Slovakia</b>	+421 (0)413213212	<a href="http://www.smc.sk">www.smc.sk</a>	<a href="mailto:sales.sk@smc.com">sales.sk@smc.com</a>
<b>Slovenia</b>	+386 (0)73885412	<a href="http://www.smc.si">www.smc.si</a>	<a href="mailto:office.si@smc.com">office.si@smc.com</a>
<b>Spain</b>	+34 945184100	<a href="http://www.smc.eu">www.smc.eu</a>	<a href="mailto:post.es@smc.com">post.es@smc.com</a>
<b>Sweden</b>	+46 (0)86031240	<a href="http://www.smc.nu">www.smc.nu</a>	<a href="mailto:order.se@smc.com">order.se@smc.com</a>
<b>Switzerland</b>	+41 (0)523963131	<a href="http://www.smc.ch">www.smc.ch</a>	<a href="mailto:helpcenter.ch@smc.com">helpcenter.ch@smc.com</a>
<b>Turkey</b>	+90 212 489 0 440	<a href="http://www.smc-turkey.com.tr">www.smc-turkey.com.tr</a>	<a href="mailto:satis.tr@smc.com">satis.tr@smc.com</a>
<b>UK</b>	+44 (0)845 121 5122	<a href="http://www.smc.uk">www.smc.uk</a>	<a href="mailto:sales.gb@smc.com">sales.gb@smc.com</a>

<b>South Africa</b>	+27 10 900 1233	<a href="http://www.smcza.co.za">www.smcza.co.za</a>	<a href="mailto:Sales.za@smc.com">Sales.za@smc.com</a>
---------------------	-----------------	------------------------------------------------------	--------------------------------------------------------

## [www.smc.eu](http://www.smc.eu)

Release DR  
FLYER-PFUW-A-UK

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer