



PSH Series

CHECK YOUR HUMIDITY, AVOID MOISTURE

Condensation checker

Quick overview



Expertise
Passion
Automation

Condensation checker



MAIN FEATURES

Relative humidity

- Display/setting range: 0 to 100 % R.H.
- Display accuracy: ± 5 % R.H. ± 1 digit.

Temperature

- Display/setting range: -5 to 55 °C
- Display accuracy: ± 3 °C ± 1 digit.

① Main display

Relative humidity (atmospheric pressure/under pressure)

Sub display

Temperature (temperature, set value, atmospheric pressure relative humidity, relative humidity under pressure, etc.)

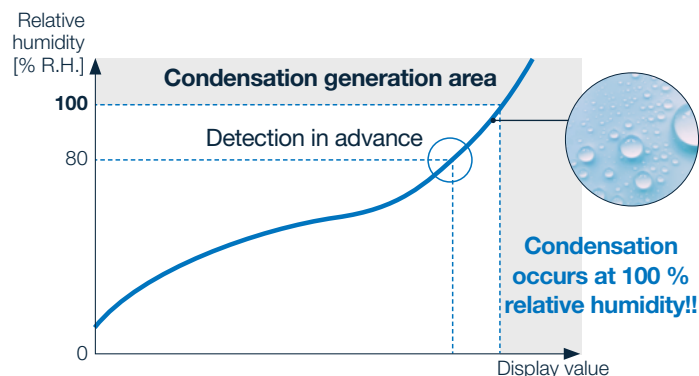
BENEFITS

- **Protect your equipment from moisture improving OEE** – Monitoring of relative humidity and temperature
- **Optimise your installation space** – Sensor and display into a single unit
- **Enjoy IO-Link advantages** – Your one supplier for your automation needs
- **Rely on a user-friendly monitoring of your installation** – 2-screen display for showing various values.

IP65 enclosure

Two switch outputs (NPN/PNP) and an analogue voltage output

Remote/Condition monitoring



② Visualisation of settings

Set value	HP_1
Humidity peak/bottom value	HH_1
Temperature peak/bottom value	TH_1
IO-Link communication status ¹⁾	node

1) For product with IO-Link.

A relative humidity under pressure (inside piping) display function has been added

SELECTED PART NUMBERS

Part number	Output specification	At the time of factory shipment ¹⁾ (Relative humidity under pressure display)	Piping specification	Lead wire
PSH-L2-01-W	IO-Link/Switch output 1 + Switch output 2 (Switch output: NPN or PNP switching type)	OFF	R1/8	Lead wire with connector (2 m, waterproof)
PSH-LL-01-W		ON		
PSH-RT-01-W	Switch output 1 + Switch output 2 + Analogue voltage output (Switch output: NPN or PNP switching type)	OFF		
PSH-RR-01-W		ON		

1) The display mode at the time of factory shipment is different, but the product specifications are the same.

ACCESSORIES

Part number	Description	Note
ZS-55-A	Bracket	—
ZS-55-B	Panel mount adapter	
ZS-35-01	Front protection cover	
ZS-55-D	Panel mount adapter + Front protection cover	
ZS-46-5F	Lead wire with connector	5-core, 2 m, waterproof
EBD-3.8-3-2	Sintered metal filter element	Min. purchase quantity: 10 pcs
ZS-46-5FM12	Lead wire with M12 connector ¹⁾	—
ZS-46-5F-X472	Lead wire with connector + With connector cover	M12-4 pin, waterproof
ZS-46-5F-X525	Lead wire with connector + With connector mould cover (straight)	5-core, 2 m, waterproof
ZS-46-5F-X526	Lead wire with connector + With connector mould cover (right angle)	

APPLICATIONS

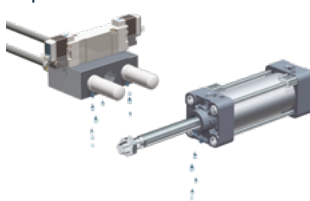
Malfunction of air blowers/air dryers



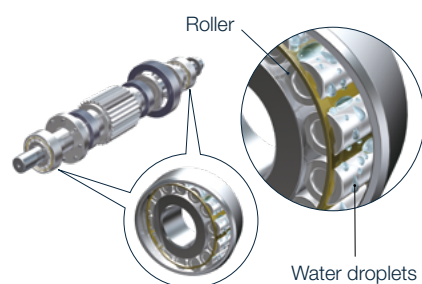
For workpiece air blow



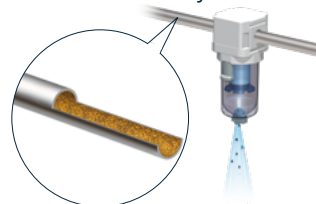
Component failure and frequent replacement



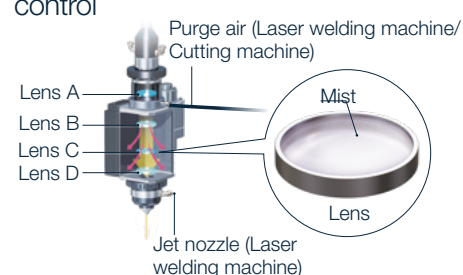
For bearing oil air control



Generation of drain and outflow to the secondary side



For machining head purge air control



RELATED PRODUCTS



Membrane air dryer
IDG-D Series



Mist separator
IDG-D Series



FRL combination units
AC-D Series



Micro mist separator
AFD20-D to AFD40-D Series



Expertise
Passion
Automation

SMC Corporation

Akihabara UDX 15F, 4-14-1

Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN

Phone: 03-5207-8249

Fax: 03-5298-5362

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

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

South Africa	+27 10 900 1233	www.smcza.co.za	Sales.za@smc.com
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Release DO

FLYER-PSH-A-UK

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