F (Filtr)
R (Reg)
L (Lub)
Drain

Separ

Press SW

exh valve

SlowStart

remove Filt Film Resist FR

Oil-ProhR

PTFE FRL

Outdrs FRL

Adapter Joiner Press

Gauge CompFRL

LgFRL

PrecsR

VacF/R

Clean FR

ElecPneuR

AirBoost
Speed Ctrl
Silncr
CheckV/other

Fit/Tube

Air Unit

PrecsCompr Electro

Press SW ContactSW

AirSens PresSW

Sens/Ctrl

WaterRtSens TotAirSys

(Total Air)

(Gamma)

generator

RefrDry

DesicDry

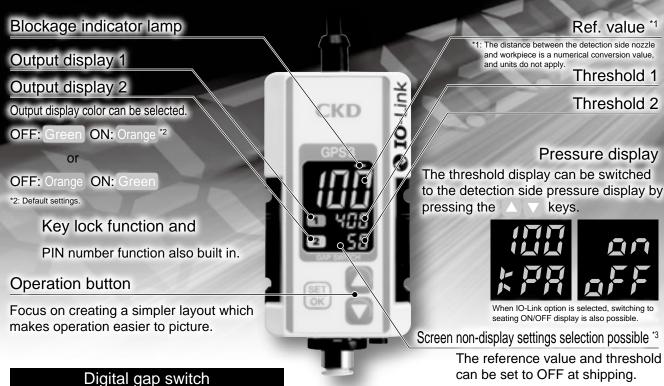
HiPolymDry

MainFilti

Dischrg

Med Press FR

Wide-range gap switch with digital display for even easier use!



Digital gap switch

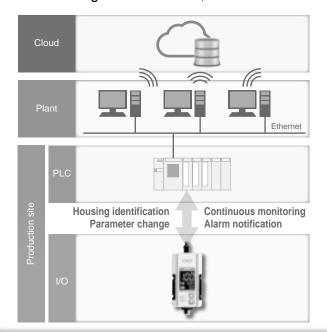
GPS3 SERIES

Introducing the IO-Link model

IO-Link

*3: When screen non-display option is selected.

IO-Link is a digital communication standard for sensors/actuators at factory sites. (IEC 61131-9) Unlike analog communication, it enables the transmission of parameters and event data.



Features of IO-Link

Digital signal

Constant monitoring via digital data is possible.

Parameter remote control

Installation anywhere is possible, as parameters can be configured and changed remotely via the network.

Housing identification

Model Nos., serial Nos., etc., can be confirmed on the network.

The settings can be copied from the master (scanner), making parameter reconfiguration after maintenance obsolete.

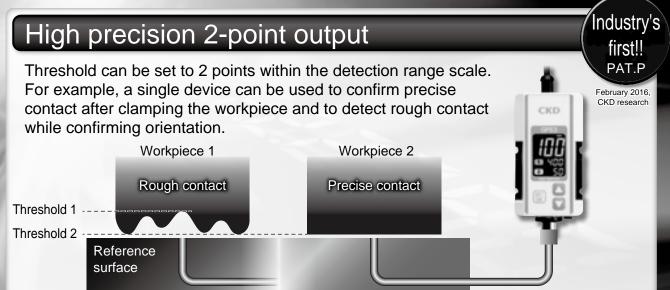


Device failure and disconnection can be confirmed.



It can also be converted to Ethernet networks and connected, enabling devices to be IoT-ready.

1236



Detection over a wide range from raw material surfaces through precision machined surfaces

This single unit allows finished surface roughness and material surface roughness settings within the detection range scale from 0.03 mm to 0.4 mm. A new short-range type has also been added to detect shorter distances. (Detection range scale: 0.02 mm to 0.15 mm)

Wide range
Short range
Detection range
Display range
100 200 300 400 500 (µm)

High maintainability (preventative maintenance)

[Blockage indicator function]

A lamp blinks and a signal is output *4 to indicate a blockage in the detection air flow path.

The blinking period indicates which locations are likely to be blocked, enabling rapid recovery. (Default setting is OFF)



Fast blinking: Interior orifice may be clogged Slow blinking⁻⁵: Detection nozzle may be clogged [Orifice easy disassembly]

Orifice blockages can be cleaned without having to disassemble the assembled product.



[Direct blow]
Capable of direct blow of max. 0.6 MPa.

F.R.L. F.R.

F (Filtr)

R (Reg) L (Lub)

Drain Separ Mech Press SW Res press

SlowStart
Anti-bac/Bac-remove Filt
Film

exh valve

Resist FR
Oil-ProhR

Med Press FR No Cu/ PTFE FRL

Outdrs FRL
Adapter
Joiner
Press

Industry

number one!

Wide range

Wide range

February 2016

CKD research

Gauge CompFRL

LgFRL PrecsR

VacF/R

Clean FR ElecPneuR

AirBoost Speed Ctrl

Silncr CheckV/ other

Fit/Tube

Nozzle Air Unit

PrecsCompn Electro

Press SW ContactSW

AirSens
PresSW
Cool
Air Flo

Sens/Ctrl WaterRtSens

TotAirSys (Total Air) TotAirSys (Gamma) Gas

generator RefrDry

DesicDry

HiPolymDry

MainFiltr

Dischrg

Ending



F (Filtr)

R (Reg)

L (Lub) Drain Separ

Press SW Res press exh valve

SlowStart remove Filt Resist FR

Oil-ProhR Press FR

PTFE FRL Outdrs FRL Adapter

Joiner Press Gauge CompFRL

LgFRL PrecsR

VacF/R

Clean FR ElecPneuR

AirBoost

Speed Ctrl

Silncr CheckV other

Fit/Tube Nozzle

Air Unit

PrecsCompn Electro Press SW

ContactSW AirSens PresSW

Sens/Ctrl WaterRtSens

TotAirSys (Total Air) TotAirSys (Gamma) generator

RefrDry DesicDry

HiPolymDry MainFiltr Dischrg etc

Ending

Easy operation

The master gauge you have at hand can be used to set the threshold easily.

With 100 µm master gauge



The reference value displayed on the master gauge at hand can be used to set the threshold with 1 operation.





For Threshold 1



For Threshold 2

Displayed values can be calibrated (actual measurement calibration function).

With 100 µm master gauge





Blinking

(Refer to Operation mode for details)

∟ow noise/energy-saving

Now with a function allowing calibration of

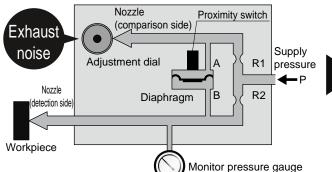
displayed on the master gauge at hand.

discrepancies in the reference value

Rethinking the detection circuit has eliminated exhaust air on the comparison side.

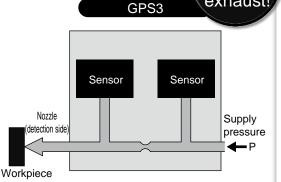
Exhaust noise, previously constant, is no longer a concern. Air consumption when the nozzle is open can also be reduced. Air consumption 9 L/min or less*.

Existing product (GPS2)



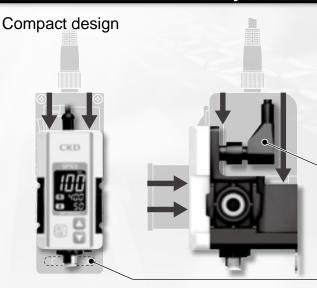
Eneray saving

> Zero air exhaust!



* Short range

Excellent workability



The appearance lives up to high-design equipment.

While the assembled dimensions are compatible with the conventional GPS2 product, the design is more compact, the weight reduced, and replacement is easy.

M12 connector (4-pin)

The connections are at the rear, so no space is required for connections on the front.

Mounting compatible

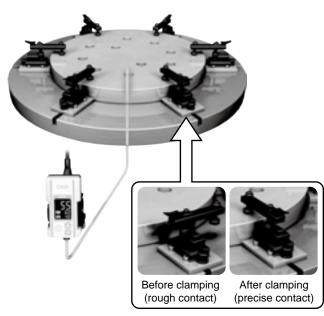
Manifold/unit supported. Easily expandable.





Applications

Two-point detection for rough and precise contact.



Two-point detection for rough and finish machining.





*Detection nozzle can be used in any environment

F.R.L.

F.R.

F (Filtr)
R (Reg)

L (Lub) Drain

Separ Mech Press SW Res press

exh valve
SlowStart
Anti-bac/Bac-

remove Filt Film Resist FR

Oil-ProhR Med

Press FR
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(Total Air)
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Gas

generator RefrDry

DesicDry

HiPolymDry MainFiltr

Dischrg

Ending