

Arc Module Cond-P SU

Quick Guide



VP8 Pin Designation with Hamilton Data Cables VP8

VP Pin	Function
A	4–20 mA interface #2
B	4–20 mA interface #1
C	Power supply: 24 V (+/- 10 %) VDC
D	Power supply: Ground
G	RS485 (A)
H	RS485 (B)
Housing	Shield

Example of circuit arrangement

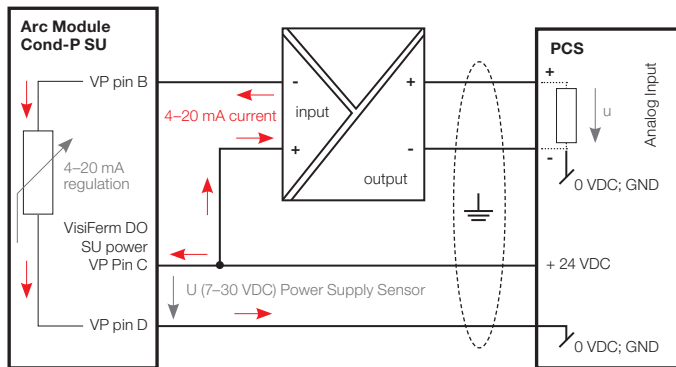


Figure 1: Typical connection to PCS using the Arc Module Cond-P SU.

⚠ ATTENTION! Always use Hamilton VP8 cables, available in a range of different lengths, for the easiest and safest connection of the Arc Module Cond-P SU.

⚠ ATTENTION! Make sure that the housing of the Arc Module Cond-P SU is connected to protective earth.

Operation

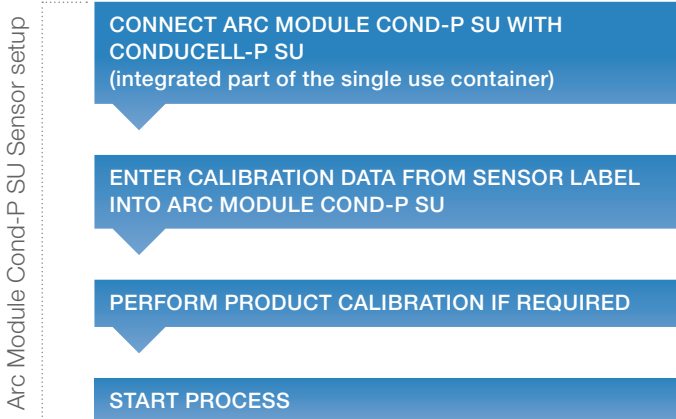


Figure 2: Sensor setup using a single use container with integrated Conducell-P SU.

Calibration

The Conducell-P SU has been pre-calibrated in production; hence calibration prior to the process is not necessary. The calibration value for the cell constant can be found on the label attached to the Conducell-P SU.

1. Read the value for the cell constant written on the sensor label (see figure 3).
2. Enter the cell constant values into the Arc Module Cond-P SU (see «Configuration»).
3. If required, perform a product calibration step to increase accuracy.



Figure 3: Example sensor label with calibration values.

NOTE: For detailed information see also Operating Instruction on www.hamiltoncompany.com.

Configuration

Three options are available for the configuration and monitoring of a sensor (see also Parts and Accessories for needed equipment and software):

- ArcAir on personal computer or notebook
- ArcAir application on mobile devices
- Access via PCS (when integrated by the system supplier)

Parts and Accessories


Ref	Description
10071707	Arc Module Cond-P SU
10076677	Conducell-P SU
243460	Arc Wi 1G Adapter BT
243490-01	Arc USB Power Cable VP8
243499	Arc Wireless Converter BT
243690	Arc View Mobile
355263	Data Cable VP8 1 m
355264	Data Cable VP8 3 m
355265	Data Cable VP8 5 m
355266	Data Cable VP8 10 m
355267	Data Cable VP8 15 m
355268	Data Cable VP8 20 m
10070910	Data Cable VP8 / M12 1 m
10070905	Data Cable VP8 / M12 3 m
10067844	Data Cable VP8 / M12 5 m
10067846	Data Cable VP8 / M12 10 m

ArcAir Application

PC version: download from www.hamiltoncompany.com

Mobile version: download from App Store or Google Play Store



 **NOTE:** In some territories, such as China, ArcAir is available as well after downloading on Android devices the Amazon Appstore as described at www.amazon.cn/androidapp

Disposal



The design of Hamilton sensors optimally considers environmental compatibility. In accordance with the EC guideline 2012/19/EU Hamilton sensors that are worn out or no longer required must be sent to a dedicated collection point for electrical and electronic devices, alternatively, must be sent to Hamilton for disposal. Sensors must not be sent to an unsorted waste disposal point.



有害物質表，請參閱www.hamiltoncompany.com，
章節過程分析，符合性聲明

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HAMILTON®

Web: www.hamiltoncompany.com

USA: 800-648-5950

Europe: +41-58-610-10-10

Hamilton Americas & Pacific Rim

4970 Energy Way
Reno, Nevada 89502 USA
Tel: +1-775-858-3000
Fax: +1-775-856-7259
sales@hamiltoncompany.com

Hamilton Europe, Asia & Africa

Via Crusch 8
CH-7402 Bonaduz, Switzerland
Tel: +41-58-610-10-10
Fax: +41-58-610-00-10
contact.pa.ch@hamilton.ch

To find a representative in your area, please visit www.hamiltoncompany.com.