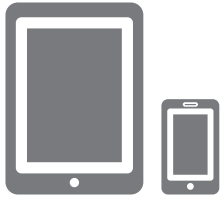

Mobile Devices: not provided by Hamilton.
Download the mobile device reference list from www.hamiltoncompany.com.

LED Status

- The blue LED indicates an active Bluetooth connection.
- Sensor is not connected via Bluetooth.
  No sensor errors or warnings have been registered.
- At least one sensor warning has been registered.
  Verify the sensor warning in «Sensor status».
- **Flashing Mode:** No sensor connected.
  Lighting Mode: At least one sensor error has been registered.
  Verify the sensor error in «Sensor status».

Disposal

The design of Hamilton products optimally considers environmental compatibility. In accordance with the EC guideline 2002/96/EG Hamilton products 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. Products must not be sent to an unsorted waste disposal point.

REF 624809/01 — 02/2020

HAMILTON

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This guide may be available in other languages.
Visit www.hamiltoncompany.com for more information.

Arc™ Wi 2G Adapter BT

Quick Guide

The Arc Wi 2G Adapter BT not only provides wireless communication, but also simplifies analog connection of Arc sensors to the process control system (PCS).

The Arc Wi 2G Adapter BT provides internal galvanic isolators for enhanced analog signal quality. Connection to the process control system is simplified.

HAMILTON

Hamilton
HVIN: 243470

FCC ID: 2AQYJARCWIADAPBT
IC ID: 24225-ARCWIADAPBT

This device complies with Part 15 of the FCC Rules and with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NOTE: Changes or modifications made to this equipment not expressly approved by Hamilton may void the FCC authorization to operate this equipment.

⚠ ATTENTION! Always use Hamilton M12 cables, available in a range of different lengths, for the easiest and safest connection of Arc pH, ORP, DO or conductivity sensors.

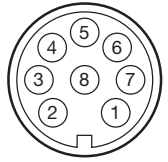

Figure 1: Pin Assignment

M12 (A coded) Pin Designation with Hamilton M12 Cables

M12 Pin	Function	Color	Description
1	+4–20 mA # 1	White	4–20 mA two-wire interface, functions as a current sink and needs to be powered. It regulates the input current according to the sensor measurements and galvanically isolated from the power supply.
2	-4–20 mA # 1	Brown	
3	+4–20 mA # 2	Green	
4	-4–20 mA # 2	Yellow	
5	RS485 (A)	Gray	Modbus RTU RS485
6	RS485 (B)	Pink	Modbus RTU RS485
7	GND	Blue	Ground
8	+ 24 VDC	Red	Power supply: +24 VDC (7-30 VDC) (Power supply can be external; not from PCS)
Housing	Shield	Green/ Yellow	Connected to the housing including the VP8 female connector.

NOTE: The VP cable is not compatible with the M12 connector and needs to be replaced. Make sure, that the housing of the Arc Wi 2G Adapter BT is connected to protective earth.

Typical Connection to PCS
Input Card is active (source) galvanically not isolated

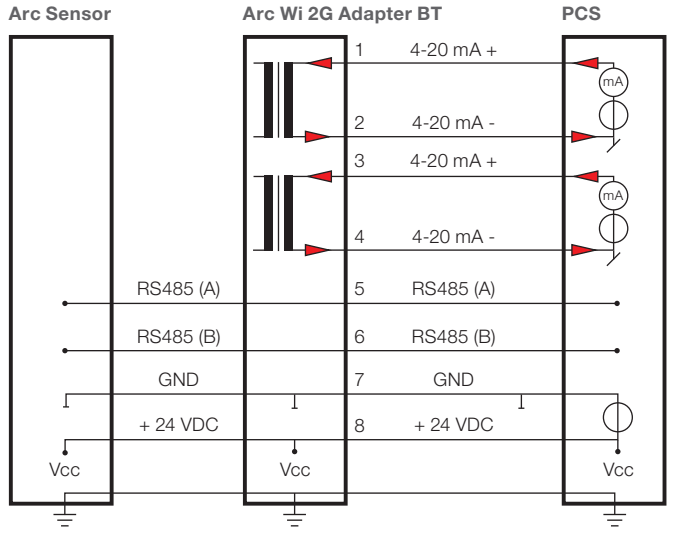

Figure 2: Typical connection to PCS using the Arc Wi 2G Adapter BT.

Parts and Accessories

Description	Ref
Sensor Cable M12 8 Pole, 3m	355320
Sensor Cable M12 8 Pole, 5m	355321
Sensor Cable M12 8 Pole, 10m	355322
Arc Wi 2G Adapter BT	243470
Wireless Converter BT	243499