

To Whom it May Concern

Bonaduz, in July 2019

Supplier Change of the VP8 Cables

Dear customers,

This letter is to inform you about the changes regarding the VP8 cables. Hamilton has decided to transition from externally sourced VP8 cables to in-house sourcing. Thereby an adjustment, in the design of the connecting part was realized (**Figure 1**). Besides the new pin design, an optical modification has been implemented. Thanks to the visual aid, in form of an arrow next to Hamilton's logo, it is now easier to find the initial point for snapping in the electrode.

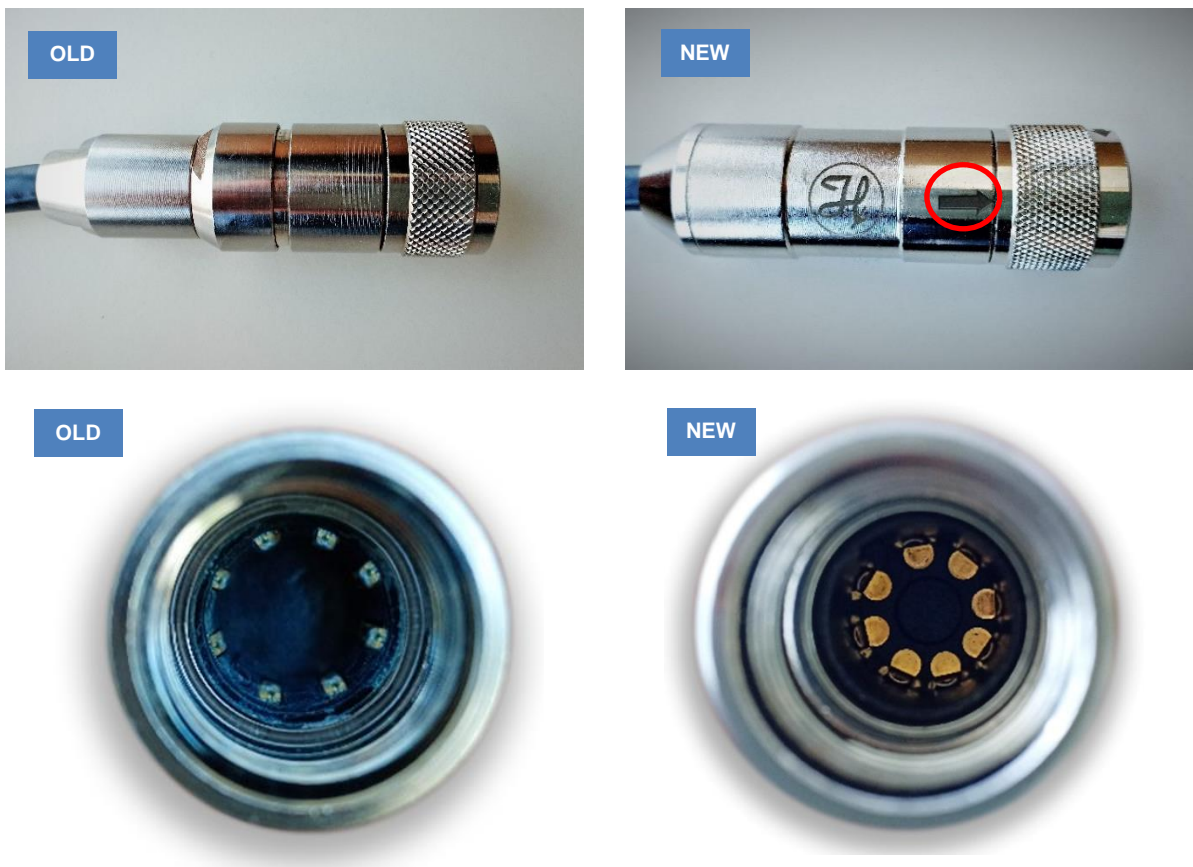


Figure 1: Old versus new. The connecting part of the VP8 cable underwent a slight design remake, changing the appearance of the female connection outside and inside. The old design (left) had a slimmer connection junction to the cable. In the newer layout (right), the copper pinning inside the female connector are now visible. The arrow (red circle) assist you in the installation of your electrodes.

Impact of Design Adjustment

The cable (double coaxial) and the entire functionality, including specifications and usability, remain unchanged. Our new cables underwent thorough testings and validations, in order to ensure the consistency in your daily usage. All tests resulted in a low risk evaluation. Just like the current VP8 cable, the new design exhibits reliable and stable signaling up to 500 connection cycles. **Table 1** includes the types of tests run and **Table 2** lists all product specifications.

Table 1: Tests run with the new VP8 cables at Hamilton. All tests were designed to comply to IP ratings and typical usage.

Overview of tests run with new VP8 cables	
Ergonomy	Passed
Isolation resistance	Passed
Continuity test	Passed
Temperature cycles	Passed
IP 68	Passed
Connection cycles	Passed
Traction	Passed
Cable rupture	Passed

Table 2: Product specifications for the VP8 sensor cable. The variations in length accommodate Hamilton's VP8 cable portfolio for standard products.

Product Specifications	
Electrical Connector	VP8 / Open End
Length	1 / 3 / 5 / 10 / 15 / 20 m
Max Diameter	7,5 mm
Material Outer Cover	PVC
Shield	Yes
Operating Temperature Range	-30 to 80 °C
Protection Rating	IP 68 (VP8 connector)

Effected Cables

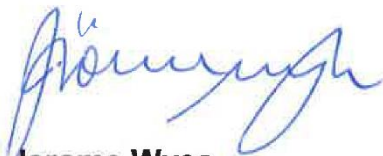
The new cables are being replaced continuously. During the transition period of 1 year, the change from old to new cable will be noticeable to you through visual appearance and on the product label. Whereas the current VP8 cables are marked with "Made in the Czech Republic", our new cables will be labelled with "Made in Romania".

Following articles are effected:

355217	1 m Cable VP8 / Open End
355218	3 m Cable VP8 / Open End
355219	5 m Cable VP8 / Open End
355220	10 m Cable VP8 / Open End
355221	15 m Cable VP8 / Open End
355222	20 m Cable VP8 / Open End
355334	1 m Cable VP8 / VP8 Red
355335	1 m Cable VP8 / VP8
355336	2 m Cable VP8 / VP8 Red
355337	3 m Cable VP8 / VP8 Red

Should you require further information please do not hesitate to contact our technical support (techsupport.pa.ch@hamilton.ch).

Sincerely,



Jerome Wyss
Product Manager
Hamilton Bonaduz AG