



Highlights

- Certified to interface with ATEX & UKEX Zone 0 equipment
- Certified for use with hydrogen
- USB-powered
- Provides power and RS-485 isolation
- Waterproof



Ucontrol Installation Tool

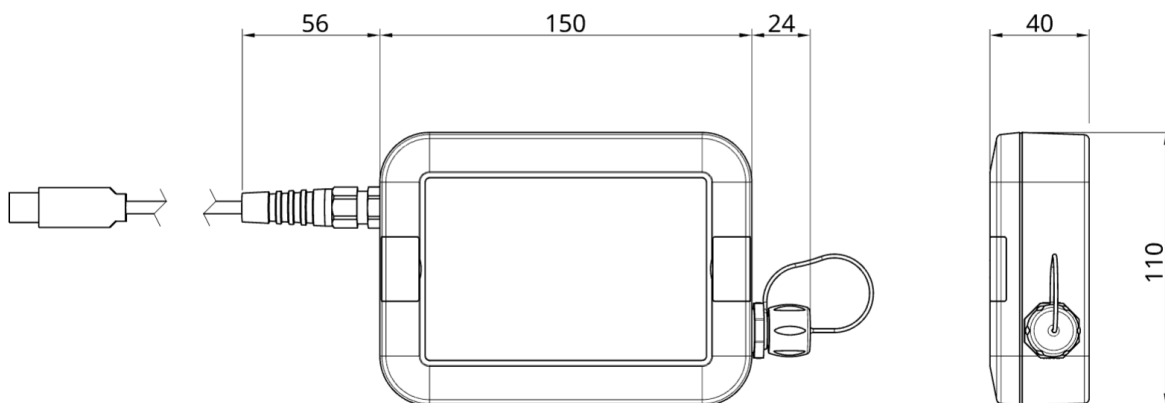
The Ucontrol Installation Tool, or UIT, is a UtonomyOne component.

UITs are ATEX and UKEX associated equipment, which can be used in safe areas but in electrical connection to intrinsically safe equipment (such as the Ucontrol Controller) installed in hazardous areas where explosive atmospheres can be present (including hydrogen), and classified as either Zone 0, 1, or 2.

The UIT is designed to provide low-power galvanic isolation for power and data from a laptop or similar device to the equipment installed in the hazardous areas of gas regulating stations. It is powered by the laptop's USB port, so no additional batteries are required.

Within the wider UtonomyOne system, the UIT allows communication between field engineers' laptops and Ucontrol equipment (Controller and Actuators), using the Field Tool Application to install, commission, and maintain equipment in the hazardous areas.

Dimensions (mm)





Technical Specifications

Electrical – Input (Safe side)	Min.	Typ.	Max.	Units
Input Voltage	4.5	5.0	5.5	V
Input Power	-	0.2	1.0	W
Isolation	1.5	-	-	kVrms
Electrical – Output (Hazardous)	Min.	Typ.	Max.	Units
IS Voltage Output	4.75	5	5.25	V
IS Power Output	0.1	-	-	W
RS485 A, B Outputs	0	-	5.25	V
Environmental				
Operating and Storage Temperature	-10 °C ≤ Ta ≤ 50 °C (0800-000067-CG) -20 °C ≤ Ta ≤ 60 °C (0800-000067-WG)			
Relative Humidity	10% to 90% (non-condensing)			
Ingress Protection	IP65 as per IEC 60529 (with cable or cable cap fitted)			
Mechanical				
Weight	0.4 kg (incl. USB cable, excl. UIT to Controller cable)			
Dimensions (body)	150 x 110 x 40 mm (L x W x H)			
USB cable	USB Type A, 0.9 m ± 0.1 m			
Enclosure Construction	Charcoal Grey UL94 V-0 ABS (0800-000067-CG) White Grey UL94 HB ASA (0800-000067-WG)			
Approvals & Standards				
ATEX & UKEX	Ex II (1) G, [Ex ia Ga] IIB/IIC -10 °C ≤ Ta ≤ 50 °C (0800-000067-CG) -20 °C ≤ Ta ≤ 60 °C (0800-000067-WG)			
EMC Emissions	EN 55011, Class B			
EMC Immunity	EN 61326-1			
Safety	EN IEC 61010-1			
RoHS	EN IEC 63000, Compliant with exemptions 6 b, 6 c, 7 a, 7 c (I)			



Ucontrol Installation Tool

Ordering Information

Part Number	
0800-000067-CG	Ucontrol Installation Tool (Charcoal Grey ABS)
0800-000067-WG	Ucontrol Installation Tool (White Grey ASA)
Ancillary Equipment	
0400-000030-xxx	UIT to Controller Cable xxx (cable length): 030 – 3.0m 050 – 5.0m