## USB to Mbus level converter



Schneid GesmbH | Gewerbering 16 | A-8054 | Graz/Pirka | Tel: +43 (316) 285022

Products, data sheets, documentation, MR12-SCHEMA-calculator: www.schneid.at

## USB-MBus Pegelwandler

inklusive USB-Verlängerung 20cm

Order number:	020.18401
Order code:	USB-MBus Pegelwandler
	MBUS+ MBUS-

#### **Overview:**

Ultra-compact M-Bus master in USB stick format for mobile applications and service calls or for permanent measurement of consumption data via M-Bus. The M-Bus data is transmitted transparently via USB. Level converter USB 2.0 to M-Bus, max. 3 standard loads

#### Status-LEDs

Inside the transparent housing there are three LEDs that show the status of the device:

LED	colour	meaning
Power	red	The device is powered via USB.
Transmit	yellow	Data is sent from the master to the slaves
Receive	green	Data is sent from the slave to the master

### Driver installation

The MBUS-PU3 works internally with a CP2104 USB module from Silicon Laboratories. It may therefore be necessary to install a driver on the target system.

The driver can be downloaded from the manufacturer: <u>http://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers</u>.

The driver installation is started by starting the installer file.

CP210x USB to UART Bridge Driver Installer			
	Welcome to the CP210x USB to UART Bridge Driver Installer This wizad will help you install the drivers for your CP210x	It is recommended to install the driver before plugging it into th host system for the first time.	
66	USB to UART Bridge device.	🗊 Gerätetreiberinstallation	×
		Installieren von Gerätetreibersoftware	
		CP2104 USB to UART Bridge Controller OWindows Update wird durchsucht	
		Das Herunterladen der Gerätetreibersoftware von Windows Update kann einige Minuten dauern. Herunterladen von Treibersoftware von Windows Update überspringen	
	Klicken Sie auf "Weiter", um den Vorgang fortzusetzen.	Heruntenaden von Treipersortware von Windows Opdate überspringen	
	<zuriick weiter=""> Abbrechen</zuriick>	Schleßen	

# <u>USB to Mbus level converter</u>

Scope of delivery: level converter for the M-Bus; Mbus PU3; including USB extension 20cm

Technical specifications:				
Intrastat number:	8537.10.91.99			
country of origin	kein Präferenzursprung/no preferential origin			
Height, width, depth (in mm)	79x19x15			
Weight in kg)	0,015			
Degree of protection	IP-20			
ambient temperature	0°C+50°C			
power supply	5 VDC directly via USB 2.0, max. 100 mA (depending on bus load)			
humidity	095 % relative			
Status-LEDs	for sending, receiving and power supply			
Short-circuit protection on M-Bus				
M bus according to EN 13757-2				
Spring clamp 300 to 9600bps				
USB chip SiLabs CP2104				
USB 2.0, connector type A				