



CMa30 USB MBus Master

Portable MBus reading

Part Code	Name	Load	Host side	Bus side
EL101DC	CMa30 USB MBus Master	30 unit loads	USB	MBus master

The CMa30 is a USB powered MBus master built for engineers working in the field. Plugged into a laptop, it is used to commission and fault find individual MBus meters, and to read small MBus systems quickly. It conforms to EN 13757, is opto isolated and works with any standard MBus slave, up to 30 unit loads. There is no external supply to carry, as the unit takes its power from the USB port. Four LED indicators show power, bus faults and traffic in each direction, and the compact desktop case fits easily in a laptop bag.

- Features:
- USB powered MBus master for laptop use
 - Up to 30 unit loads on the MBus port
 - Opto isolated MBus interface
 - Works with any standard MBus slave
 - LED indicators for power, bus errors, receive and transmit
 - Pluggable screw terminal for fast connection
 - Windows and Mac drivers available
 - Compact 98 x 57 x 26 mm case, 95 g





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Technical Specification

Mechanics

Dimensions (w x h x d)	98 x 57 x 26 mm
Weight	95 g
Mounting	Desktop use
Protection class	IP41
MBus connection	Pluggable screw terminal, cable 0.25 to 2.5 mm ²
USB connection	USB slave port type B (cable type A to type B)

USB power

Nominal voltage	5 V
Current rating	500 mA
Power consumption (at 1 unit load)	160 mA

MBus master port

Nominal voltage	28 VDC
Maximum load	30 unit loads (30T) at 45 mA
Baud rates	300 and 2400 bps
Maximum cable length	1000 m (100 nF/km, max 90 ohm)
Isolation	Opto isolated
Standard	EN 13757

Environment

Operating temperature	Minus 20 to plus 55 °C
Operating humidity	5 to 90 % non condensing
Storage temperature	Minus 40 to plus 85 °C
Altitude	0 to 2000 m
Pollution degree	2
Use	Indoor use only

Approvals

Marking	CE
EMC	EN 61000 6 2 and EN 61000 6 3

General

Meter compatibility	All standard MBus slaves
Maintenance	None required



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