

CMControl P – Front panel control for CMC test sets



The CMControl P is ideal for easy manual testing of protection and measuring devices with CMC test equipment. It offers much more than front panel operation in the classic sense. The device can either be attached to the CMC test set or be detached and used as a flexible handheld control. It offers a 7" touch screen and a magnetic rear for attaching to steel surfaces.

The CMControl P is available in two variants: CMControl-6 for CMC 356, CMC 256plus and CMControl-3 for CMC 353 and CMC 310.

Technical Data

Display	
Size / Type	7" WVGA (800 x 480 px) / transfective (sunlight readable)
Brightness / Contrast	400 Cd/m ² (max) / 900:1
Backlight	LED (adapts to ambient light)
Touchscreen	Capacitive with anti-glare glass
Communications interfaces	
Ethernet Connection	One rugged PoE ¹ Ethernet port: <ul style="list-style-type: none"> • 10/100 Mbit/s (10/100 Base-TX, auto-crossover) • IEEE 802.3af, Class 2 (6.49 W) powered device
USB Connection	One USB 2.0 port: <ul style="list-style-type: none"> • up to 480 Mbit/s • mass storage compliant
External power supply unit ²	
Device type	IEEE 802.3at, Power over Ethernet port injector
Nominal / permissible input voltage	100 – 240 VAC / 90 ... 264 VAC (50/60 Hz)
Max. output power	33.6 W
Environmental conditions	
Operation temperature	0 ... +50 °C (+32 ... +122 °F)
Storage temperature	-25 ... +70 °C (-13 ... +158 °F)
Humidity range	Relative humidity 5 ... 95 %, non-condensing

Equipment reliability		
The product adheres to the electromagnetic compatibility (EMC) Directive (CE conform).		
EMC Emission	International / Europe	IEC/EN 61326-1, EN 55032/CISPR 32 (Class A)
	North America	47 CFR 15 Subpart B (Class A) of FCC
EMC Immunity	International / Europe	IEC/EN 61326-1, IEC/EN 61000-6-4
	The product adheres to the low voltage Directive (CE conform).	
Safety	International / Europe	IEC/EN 61010-1
	North America	UL 61010-1, CAN/CSA-C22.2 No. 61010-1
Mechanical tests	International / Europe	IEC 60068-2-6 (20 m/s ² at 10 ... 150 Hz)
	IEC 60068-2-27 (15 g/11 ms half-sine)	
Mechanical data		
Weight	CMControl-3: 1.8 kg (4.0 lbs) CMControl-6: 2.1 kg (4.6 lbs)	
Dimensions (W x H x D)	CMControl-3: 345 x 140 x 43 mm (13.6 x 5.5 x 1.7 in) CMControl-6: 450 x 140 x 43 mm (17.7 x 5.5 x 1.7 in)	
Certifications		
		TÜV C-US (NRTL)
		Developed and manufactured under an ISO 9001 registered system
Delivery contents		
CMControl-3 or -6, USB flash drive 1 GB, Ethernet patch cable with rugged RJ45 connector 5 m (16.4 ft), Ethernet patch cable 0.75 m (2.5 ft), mounting material, soft bag		

Ordering information



	CMControl P for new CMC ³	CMControl P retrofit	CMC ⁴ + CMControl P
CMC 356	VEHO2805	VEHO2806	VE002820
CMC 256plus			VE002715
CMC 430	-	-	-
CMC 353	VEHO2901	VEHO2902	VE002908
CMC 310	-	-	VE003001

¹ PoE = Power over Ethernet

² For operation with CMC 356 and CMC 256plus equipped with the NET-1 control card, an external power supply unit is included in delivery. If Power over Ethernet is desired, a PoE-Upgrade for these test sets is available (VEHO1019).

³ With Test Universe

⁴ Without Test Universe