

M1 Control Module – Fully Integrated Personal Alarm Safety System

Connectivity and Control in Your Hand

Features and Benefits	
 EASE OF USE	✓ Electronical pressure sensor for easy and fast activation, simply by opening the cylinder ✓ Two pressure indicators (mechanical gauge and full colour digital display) ✓ Automatic display activation shows pressure state / remaining service time with traffic light system (green, yellow, red) when device is lifted and when passing a pressure threshold ✓ Clearly identifiable acoustic alarms combined with easy to understand display messages ✓ Port for optional Safety Key to manually activate motion detection or mute acoustic alarms
 UNIQUE ERGONOMICS	✓ Easy to identify mode and alarm buttons ✓ One hand operation and ambidextrous button support ✓ Display with 20° angled face for easy reading
 INCREASED SAFETY	✓ Optional integrated tightness check ✓ Assured safety with luminescent mechanical gauge giving pressure status even if battery is empty ✓ Integrated alarm procedures start either automatically or manually using the distress button ✓ Ultra-bright buddy lights for greater visibility in dark or smoke-filled environments ✓ Integrated motion sensor activates full body alarm (up to 24 hours at maximum sound level) ✓ Chemical Protection Suite (CPS) Mode to decrease sound level while worn during CPS operations
 EASE OF SERVICE	✓ Easy retrofit to any MSA SCBA with Classic Line (standard thread allows direct connection to gauge line) ✓ Easy to clean (machine washable with entire M1 SCBA) ✓ Testing as standard gauge (due to digital sensor no need for additional pneumatic tests and calibrations) ✓ Battery state indication without turning on the device ✓ Magnetic charging adapter for fast and easy charging of battery directly on the device
 STATE-OF-THE-ART INTERFACES	✓ NFC for easy personalization ✓ Bluetooth for A2 software access to memory and customization of settings and for optional ALTAIR 4XR/5X* BT reading access ✓ Optional telemetry interface (EU, UK, AS/NZ), backwards compatible and future-ready

* Please ask your MSA sales contact for detailed information about supported sensors.



Technical Specifications

Approvals and Antistatic Properties

Approvals	CE 0158 EN 137
Antistatic Properties	ATEX Directive 2014/34/EU Ex ia IIC T4 Ga -30 °C - +60 °C IECEX: II 1G Ex ia IIC T4 Ga -30°C - +60°C
Ingress Protection	IP66/67

Components

High Pressure	200 bar / 300 bar
Gauge	Class 1.6 mechanical gauge
Battery	Rechargeable Lithium-ion (Li-ion) Stand-by: 3 months Full alarm: > 18 hours After battery alarm: > 2 hours full alarm Battery alarm during activation: no incident possible Max. charging time: < 4 hours 0% to 100% at 25°C
Charger	Magnetic charging clip with international power supply adapters (not included in scope of delivery)
Pressure Sensor	Long life, calibration free

Radio

Long-range radio	EU: 868.5 MHz – 869.5 MHz UK: 469.5 MHz AS/NZ: 915.3 MHz – 917 MHz
Bluetooth	Operation frequency range: 2,402 MHz – 2,480 MHz Maximum emission power: +10 dbm (10 mW)
NFC Near Field Communication	Operation frequency range: 13,553 MHz – 13,567 MHz Maximum emission power: 100 mW

Dimensions

Weight	500 g incl. rechargeable battery pack (350 g without battery)
Dimensions	Width: 78 mm, Height: 71 mm, Length: 156 mm



Ordering Information

M1 Control Module with M1 SCBA – Configuration via ATO (Assembly to order)

A-M1 SCBA Please contact your local sales representative or visit www.MSAsafety.com/M1 for reference.

M1 Control Module stand-alone

10198774	M1 Control Module w/o telemetry
10198771	M1 Control Module with telemetry – EU
10198773	M1 Control Module with telemetry – UK
10198772	M1 Control Module with telemetry – AS/NZ

Accessories

10196877-SP	Replacement rubber boot (2 pcs.)
10201874	Replacement battery
10201875	Battery holding clip (5 pcs.)
10199149	M1 Control Module TAG (5 pcs.)
10199150	M1 TAG programming kit
10201877	M1 Control Module charging adapter
10201876	M1 Control Module power supply (international adapter plugs included)
10203487	M1 Control Module charging set (power supply and charging adapter)
10214753	M1 Control Module multi-bay charger – EU
10214754	M1 Control Module multi-bay charger – UK/HK/SG
10186697	SCBA Safety Key (10 pcs.)

