

Script.Serial.BREATHABLOK.B1000V.VBS.1.0.0.0

Breathablok B1000V VBS Serial Script



The Serial script can run on any of the following devices:

1. MiX 4000
2. MiX 6000
3. FM3316 and FM3306 Communicators
4. FM3517i and FM3507i Communicators
5. FM3617i and FM3607i Communicators
6. FM3717i and FM3707i Communicators
7. FM3817i and FM3807i Communicators

Note that Tracers do not support serial scripts, therefore, this script is not supported on a Tracer

Version History

Reference	Version	Changes
SCR-2664	V1.0.0.0	<p>Serial script for the Breathablok B1000V device that returns the following:</p> <p>Alcohol value, event number, error Code and CRC Error Counter.</p> <p>The script resets all parameters (excluding the CRC error counter) to 0 after 60 seconds of inactivity or no new data.</p> <p>This script is compatible with the B1000V model.</p>
SCR-2664	V1.0.0.0	Convert script to production

Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
ALCVL	S3.Alcoloc.Alcohol.Value	Alcoloc alcohol value	Alcohol value in mg/l
AVBAC	S3.Alcoloc.Alcohol.Value.BAC	Alcoloc alcohol value - BAC%	Alcohol value in BAC%
ALERR	S3.Alcoloc.ErrorCode	Alcoloc Error Code	0 = No Error 1 = Packet Length Error 2 = Packet CRC Error
CRCEC	Serial.CRC.Error.Counter	Serial CRC Error Counter	Increments if CRC fails

ALCEV	S3.Alcoloc.EventNumber	Alcoloc event number	<p>01 = VBS power up (power connected)</p> <p>02 = Initial sample failed</p> <p>03 = Random sample failed</p> <p>04 = Initial sample passed</p> <p>05 = Random sample passed</p> <p>06 = Possible push start</p> <p>07 = Override period started</p> <p>08 = Override period ended (can be from valid TAB signal or timeout)</p> <p>09 = Emergency override period started</p> <p>10 = n/a - Reserved</p> <p>11 = Random sample request</p> <p>12 = Call time expired (failed to give sample on request)</p> <p>13 = Circumvention - breath related</p> <p>14 = Circumvention - suck-back</p> <p>15 = Circumvention - blowing too hard</p> <p>16 = System rearmed – start time expired</p> <p>17 = System rearmed – restart time expired</p> <p>18 = TAB connected</p> <p>19 = Driver change request</p> <p>20 = Driver change passed</p> <p>21 = Driver change failed</p> <p>22 = Driver change call expired</p> <p>23 = n/a - Reserved</p> <p>24 = n/a - Reserved</p> <p>25 = n/a - Reserved</p> <p>26 = n/a - Reserved</p> <p>27 = Failed after driver change call expired</p> <p>28 = Circumvention – Insufficient sample</p> <p>29 = Door opened</p> <p>30 = Ignition on</p> <p>31 = Ignition off</p> <p>32 = Database deleted</p>
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Installation Notes

- **The script depends on the following physical installation of the FM3xxx or MiX 4000/6000 OBC:**
 - The Serial port settings must be set to:
 - Baud Rate: 57600 bps (Not default)
 - Byte Length: 8 bits
 - Flow Control: None
 - Parity: None
 - Stop Bits: 1 bit
 - The device is connected to the unit's serial port via the cable harness supplied.
 - **Note: The cable harness needs power to correctly convert UART PORT (TTL voltages) data to RS232 voltages.**

This script is compatible with **Breathablok B1000V devices only**, when using the Alcoloc 720 VBS device, make use of the script, [PFK.ALCOLOC.720-VBS.VER.1.2.0.2](#).

This script requires an FM3xxx unit to be loaded with firmware BAS 1.7g (E15.08.23.11) or later.

This script requires that packet's preamble and footer to be set to the default values:

- **0xAA 0xAA** for the preamble
- **0x0A 0x0D** for the footer