

Storage Media

The measured data can either be stored to the connected PC or on an internally used storage media device. The storage can be selected with the operating software freely (see corresponding description "data storage" in the imc STUDIO help). The imc measurement devices included in different device-groups are compatible with specific storage media.

The hardware in each measurement device is optimized for its designated application and thus it is different from one device-group to the next one in terms of the signal conditioning, sampling rate and interface (see device overview in the imc STUDIO manual).

imc measurement device	PCMCIA	CF	CFast	USB
imc device group 7: with s/n > 190000 imc CRONOS <i>flex</i> CRFX-2000GP	-	-	✓	✓
imc CRONOS <i>compact</i> CRC-400GP	-	-	✓	✓
imc device group 5: with s/n > 140000 imc CRONOS <i>flex</i> CRFX-400	-	✓	-	-
imc CRONOS <i>compact</i> CRC-400	-	✓	-	-
imc C-SERIES-N (CS-XXXX-N / CL-XXXX-N)	-	✓	-	-
imc SPARTAN-R	-	✓	-	-
imc CRONOS-SL	-	✓	-	-
imc BUSDAQ <i>flex</i> -N	-	✓	-	-
imc device group 4: with s/n > 130000 imc SPARTAN	-	✓	-	-
imc BUSDAQ <i>flex</i>	-	✓	-	-
imc BUSDAQ	-	✓	-	-
imc CRONOS-SL	-	✓	-	-
imc device group 3: with s/n > 120000 imc C-SERIES and imc C1	✓	(✓)*	-	-
imc device group 2: with s/n > 120000 imc CRONOS-SL/-PL	✓	(✓)*	-	-

* with adaptor

Note

The following **file systems** are supported: FAT16 up to 2 GB, **FAT32** up to 8 TB (max. possible size, that is possible with this file system). Please find further details in the software manual.

The **writing performance** is not actually indicated by "Speed-Grades" or similar parameters. The writing performance can not be estimated as a calculated data rate expressed in Byte/s. Instead, it depends strongly on the controllers installed and the operating conditions, in particular on the amount of channels or files to be processed in parallel.

(*) For devices that are equipped with a PCMCIA slot an adequate adaptor for a CF card can be used for the PCMCIA slot. Order code: ACC/CF-ADAP-PCMCIA (CF adapter for the PCMCIA Slot), 1350116

Removable CF Storage Media Cards
Overview of the available storage media

Order code	article number
ACC/CF-2.0-GB-ET	1350020
ACC/CF-8.0-GB-ET	1350079
ACC/CF-16.0-GB-ET	1350081
ACC/CF-32.0-GB-ET	1350137

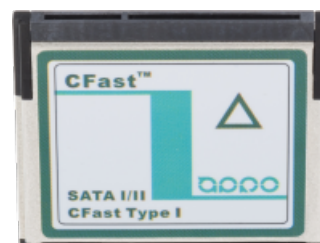

Operating conditions - removable CF storage media

Storage temperature:	-65°C to 150°C
Operating temperature:	-40°C to 85°C condensation allowed (extended temperature range)
Shock protection	in operation 1000 g

Removable CFast Storage Media Cards

conforming to CFast 1.0 specification

One major advantage of the new CFast-format is its high transfer/write-speed. CFast is not compatible with CF (CompactFlash)! The shape of the connectors is the same, but electrically the format is not compatible.



CFast is based electrically on the serial SATA Standard, while CF is based on the parallel IDE-ATA, so that the former offers significantly higher transfer speeds.

The CFast storage media are compatible with devices with a serial number (SN) > 190000

e.g. imc CRONOS*flex*-2000G (CRFX-2000G)

CFast cards are not compatible to CF cards.

Overview of the available storage media

Order code	article number	APRO order code
ACC/CFast-16,0 GB-ET	1350164	WPCFA016G-JDISI
ACC/CFast-32,0 GB-ET	1350165	WPCFA032G-JDISI

Operating conditions - removable CFast storage media

Operating temperature:	-40°C to 85°C
Shock and Vibration	conforming to MIL-STD-810F

Removable USB 2.0 Storage Media Cards

only for devices with serial number > 160000 / 190000

e.g. CRFX-2000 / CRFX-2000G

Overview of the available storage media

Order code	article number	APRO article number:
ACC/USB-32,0 GB-ET	1350200	GDKUF032G-JCCMC-R/C

Operating conditions - removable USB storage media

Operating temperature: -40°C to 85°C
 Shock and Vibration conforming to MIL-STD-810F

SSD hard drive

The hard drives listed here have the same writing speed. In imc systems, the writing speed specified by the producers of the hard drives can not be reached, due to certain imc operation modes which diminish the writing speed. Only specific types compatible with the system are offered and accordingly tested by imc.

Overview of the available hard drives

Order Code	article number	remarks
CRC/400-SSD-128GB	1170149	SSD hard drive for CRC
CRFX/400-SSD-128GB	1190103	SSD hard drive for CRFX-400 Base Unit
CRFX/2000G-SSD-128GB	1190115	SSD hard drive for CRFX-2000G Base Unit
CRSL/SSD-128GB	1180107	SSD hard drive for CRSL
SPAR/SSD-128GB	1130123	SSD hard drive for SPARTAN
BUSDAQ/SSD-128GB	1040036	SSD hard drive for BUSDAQ-X - this hard drive will require a slot in a imc BUSDAQ-X device

Operating conditions of the SSD hard drive

Storage temperature: -20°C to 70°C
 Operating temperature: 0°C to 70°C no condensation
 Shock resistance during operation: 175 g
 Operation permitted only at up to 3000 m above sea level
 approx. 14% of the total volume are intended for possible defragment and thus not available

HDD hard drive
Overview of the available hard drives

Order Code	article number	remarks
CRC/400-HD-320GB	1170081	hard drive for CRC-400
CRFX/400-HD-320GB	1190034	hard drive for CRFX-400
CRFX/2000G-HD-320GB	1190163	hard drive for CRFX-2000G
C/HD-320GB	1400063	hard drive for CL
SPAR/HD-320GB	1130111	hard drive for SPARTAN
BUSDAQ/HD-320GB	1040033	hard drive for BUSDAQ-X

Operating conditions of the HDD hard drive

Storage temperature: -20°C to 70°C
 Operating temperature: 0°C to 50°C no condensation
 Shock resistance during operation: 175 g
 Operation permitted only at up to 3000 m above sea level
 approx. 5% of the total volume are intended for possible defragment and thus not available

Optional accessory for imc CRONOScompact systems:

Order Code	article number	remarks
CRC/HDD-FRAME	1170230	housing/frame component for imc CRONOScompact which accepts removable imc hard drives and SSDs suitable only for additional ordered hard drives and SSD, offered from imc for imc CRONOScompact, requires 2 slots
CRC/HDD-FRAME-R	1170231	housing/frame component for imc CRONOScompact RACK which accepts removable imc hard drives and SSDs suitable only for additional ordered hard drives and SSD, offered from imc for imc CRONOScompact, requires 2 slots

 **Note**

- In order to fit into the frame, the maximum height of a hard drive should not be more than 9.5 mm.
- If you buy the storage media from a supplier other than imc, we can not guarantee the quality.