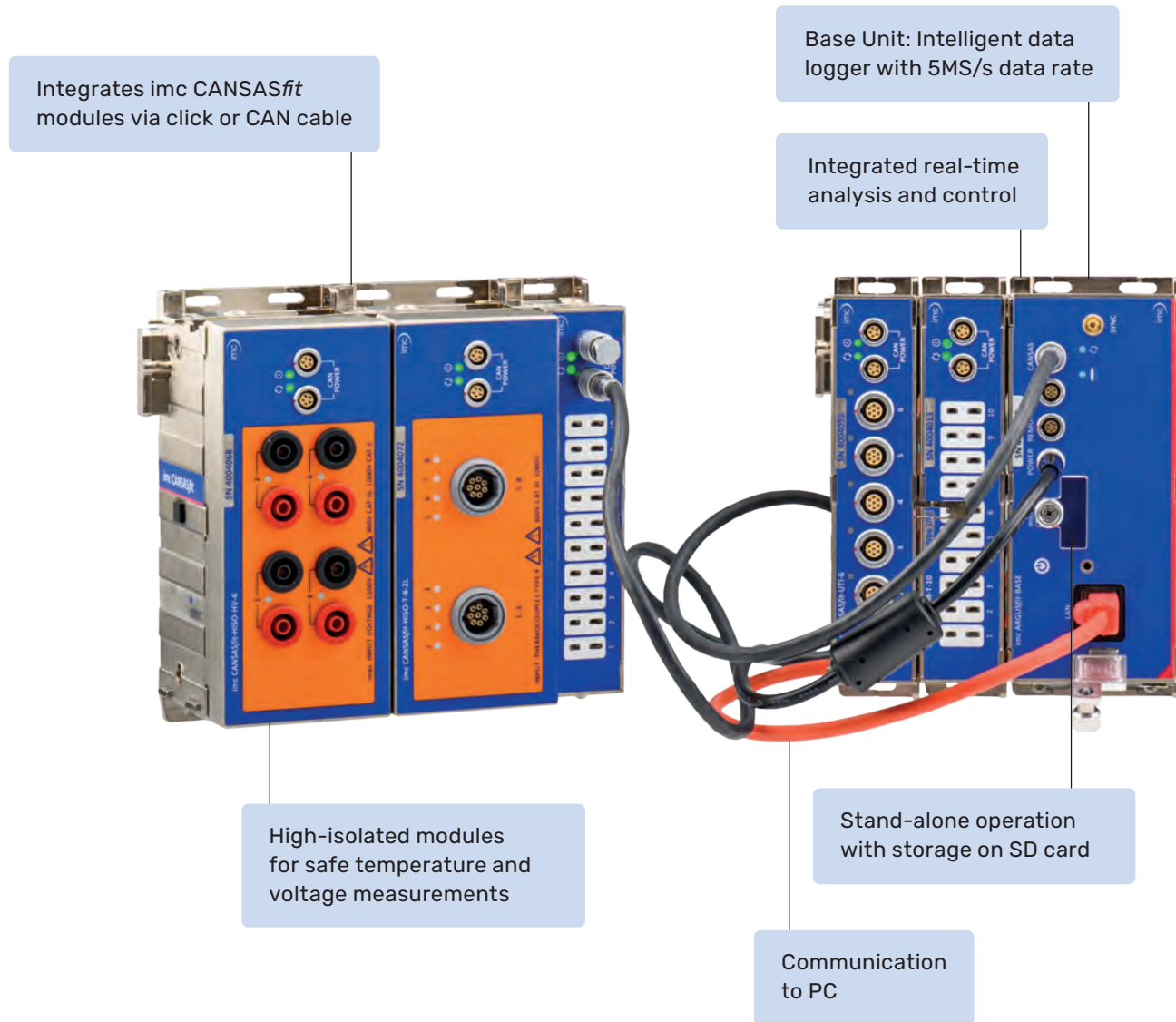


imc ARGUSfit

Powerful, compact and scalable DAQ system



imc ARGUSfit is a **POWERFUL, ULTRA-COMPACT** and **FLEXIBLE** DAQ system where you easily connect the modules with a click mechanism. With high channel density, compact design, and stand-alone operation, it enables precise measurements in a wide range of applications – from prototype testing to monitoring machines and equipment.

APPLICATION

Perfect for highly demanding measurements in the lab and in the field

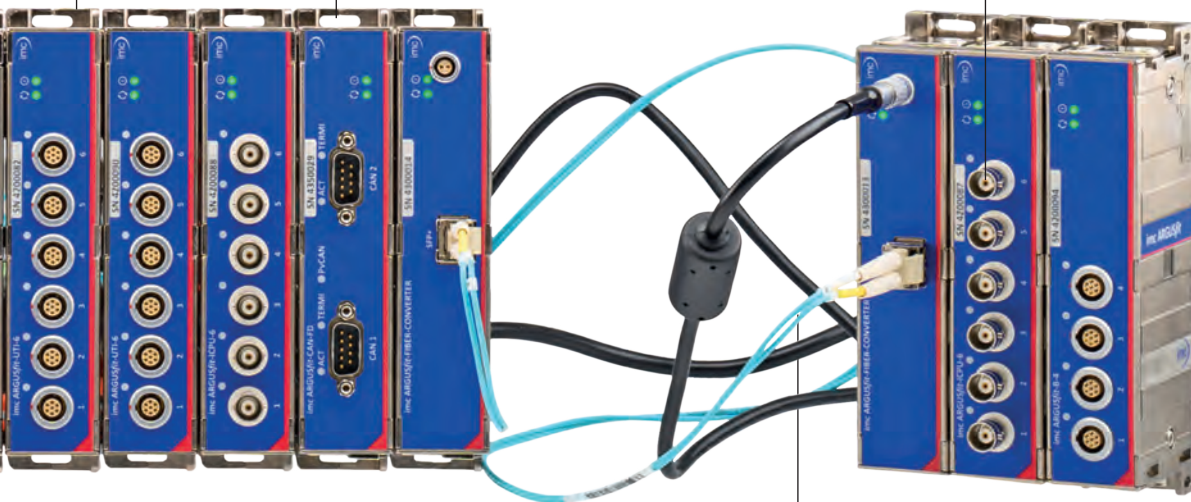
powerful • ultra-compact • flexible



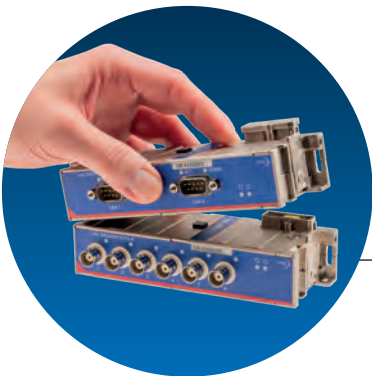
Clickable measurement modules for all common sensors

Clickable Fieldbus interface modules such as CAN-FD

Up to 500 kS/s per channel



Distributable via fiber connection over hundreds of meters



Click mechanism connects modules electrically and mechanically

With its **SCALABLE** design the DAQ system can grow with your needs. Expand its capabilities effortlessly with additional modules for analog inputs or fieldbus interfaces. Synchronously capture a wide variety of signals – whether analog sensors or digital data such as CAN-FD – and perform **REAL-TIME ANALYSIS** directly in the device.

imc ARGUSfit Details

imc ARGUSfit base unit

General*	
Total data rate	5 MS/s
Connectivity	
Ethernet (RJ-45)	Gigabit Ethernet
W-LAN (WiFi)	optional (in preparation)
GPS connection port	●
Synchronization port	●
Remote controlled main switch	●
CANSASfit port	●
CANSASfit modul connector (click connection)	●
ARGUSfit modul connector (click connection)	●
Data storage	
Internal storage on removable media	micro SD up to 256 GB
External storage on PC / network (NAS)	via Ethernet
Stand-alone capabilities	
Stand-alone operation	●
Auto data-saving upon power outage	●
UPS	Super-Caps
UPS coverage	ARGFT-BASE
Data Acquisition & Real-Time Fuction	
Max. aggregate sampling rate	5 MS/s
Max. channel sampling rate	depends on module type
Max. active channels within a system	1000
Channel individual sampling rates	selectable in 1–2–5 steps
Number of sampling rates	any
Monitor channels (for all channels)	●
Pre-processing for monitor channels	●
Intelligent trigger functions	●
Multi triggered data acquisition	max. 8
Real-time data analysis platform (imc Online FAMOS)	●
Synchronization & clock	
Master-slave between different imc systems	●
NTP network based synchronization	●
PTP network synchronization	in preparation
IRIG-B via external signal	●
Power	
Input supply voltage	10 - 50 V DC
AC/DC power adapter (110 to 230VAC)	●
Shutdown threshold	≤8.5 V
Power consumption	3.3 W (typ.)
Isolation	60 V
Environmental	
Operating temperature range	-40 °C to + 85 °C
Shock and vibration resistance	IEC 60068-2, IEC 61373 IEC 60062-2-64 category 1, class A and B MIL-STD-810 Rail Cargo Vibration Exposure U.S. Highway Truck Vibration Exposure
IP rating	IP50
Housing	
Dimensions	153 x 62 x 53 mm
Weight	0.5 kg



Real-time Data Analysis Included

imc Online FAMOS is a powerful extension included in every imc ARGUSfit DAQ system as a standard without any additional license required. It offers a variety of real-time functions for pre-processing and signal analysis. The mathematical analysis functions are executed on the signal analysis platform integrated in the measurement device. This means that analysis results are available immediately and also independently of the PC. Such pre-processing can also yield significant data reduction and thus reduce the amount of data to be exchanged between the DAQ system and the PC. The results are available in imc STUDIO as virtual channels.

Key: ● Default

imc ARGUSfit Modules



UTI-6*

Isolated universal voltage amplifier with sensor supply

Input types:	Voltage (25 mV to 60 V), Current (20 mA sensors), Temperature (PT100, PT1000) Resistance (e.g. NTC)
Channels:	6
ADC:	24-bit
Sampling rate	100 kS/s per channel
Sensor Supply	+/- 2.5V ... +/-15V individually configurable per channel, 0.5W per channel, 2W per module



B-4*

Universal isolated bridge mode and strain gauge amplifier with sensor supply

Input types:	Strain gauges, bridge-mode sensors, potentiometers Voltages (25 mV to 10 V) Active transducers that require voltage supply
Channels:	4
ADC:	24-bit
Sampling rate	100 kS/s per channel



imc LEMO Terminal Plug

The fast, flexible and easy-to-assemble LEMO.1B connector for ARGUSfit module UTI-6 and B-4 and for CANSASfit-UTI-6 series



ICPU-6*

Isolated amplifier for voltage and IEPE sensors

Input types:	IEPE or ICP sensors (current fed sensors 4 mA) Voltage (25 mV to 60 V)
Channels:	6
ADC:	24-bit
Sampling rate	500 kS/s per channel



CAN-FD*

Isolated fieldbus modul for CAN FD

Number of CAN ports:	2
Connection:	DSUB-9
Protocols:	CAN FD (ISO 11898-1:2015) 8 Mbaud CAN High Speed (ISO 11898) 1 Mbaud CAN Low Speed (ISO 11519) 125 Kbaud
Direction:	sending and receiving



Fiber-Converter

Extender and media converter for the imc ARGUSfit system bus for spatial distributions

Set includes:	2 converter modules, 2x SFP+ transceiver, 5 m fiber optic cable, AC/DC power adaptor and a power cable
---------------	---



UPS-NiMH*

UPS for imc ARGUSfit and imc CANSASfit to bridge short-term power failures

Buffering:	Entire imc ARGUSfit system
Total Power:	50 W
Battery technology:	Robust NiMH
Buffer time:	30 sec. (several times)
External devices:	Buffering via auxiliary power output



*Option: -EC

For operating conditions involving dew point



An Axiometrix Solutions Brand

imc Test & Measurement

imc Test & Measurement is a leading manufacturer and solution provider of high-performance data acquisition systems. As a trusted partner in the automotive, mechanical engineering, railway, aerospace, and energy industries, imc delivers customized test and measurement solutions for research, development, service, and production worldwide.

The portfolio of sensors, data acquisition systems, and software – along with fully integrated solutions – enables users to validate prototypes, optimize products, monitor processes, and extract valuable insights from measurement data in both mobile and stationary applications.

imc Test & Measurement is part of Axiometrix Solutions, a leading provider of test solutions comprising globally renowned measurement brands such as GRAS Sound & Vibration and Audio Precision.

Contact us:



© imc Test & Measurement

Axiometrix Solutions (Shanghai) Technology Ltd.

**Get a quote:
Order Inquiry:
Product Support:**

**cnsales@imc-tm.com
cnorder@imc-tm.com
cnsupport@imc-tm.com**

imc Test & Measurement GmbH

Room 315, Building 1, Hongqiao Xiexin Center, Lane 683, Shenhong Road, Minhang District 201107

Room 2511, Tower A, Times Fortune Plaza, Building 2, No. 1 Hangfeng Road, Kandan Subdistrict, Fengtai District 100070
Chongqing

6th Floor, Tower A, Jinshan Commercial Center, No. 2 Saidi Road, Yubei District, Chongqing 401122

www.imc-tm.cn