



# Genus Benchtop Instrumentation Chassis

The Genus based benchtop instrumentation chassis has a modular design which can house any combination of compatible modules within the unit. Supplying users with a flexible and scalable solution for bench top testing applications, that reduces spare parts and rack space requirements. The chassis accommodates all Genus 1U modules, with up to 10 module slots and is AC powered.

The RF modules are hot-swap (or field replaceable) and can be inserted whilst the chassis is in service, giving excellent levels of flexibility and resilience. The chassis comes fitted with a user replaceable HMI (optional) & CPU, with the option of user replaceable internal/ external 10MHz reference source also available.

- Typical applications:**
- Satellite communications bench test applications
  - Scientific research
  - Test & measurement
  - Signal path testing
  - Modular testing requirements
  - A variety of modules available



**Compact & flexible** Compact chassis holding up to 10 RF modules, which can be mixed.



**Local control & monitoring** via front panel capacitive HMI touchscreen. (Optional)

**10MHz reference source** Optional user replaceable internal and external 10MHz reference & distribution source. (refer to separate datasheet)



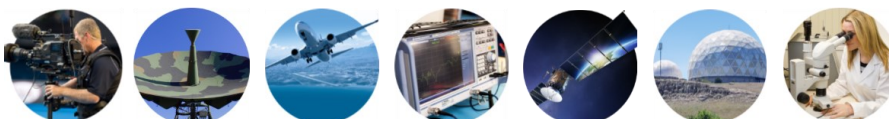
**Remote control & monitoring** via RJ45 Ethernet via RJ45, 10BaseT/100BaseTx, ETL TCP/IP protocol, SNMPv3 & Web Browser Interface



**Secure Communications** with SNMPv3, HTTPS



**Flexible Signal Distribution and Test Modules** Frequency Converters, TLTs, Noise Generators, Redundancy Switches (N+1), RF Over Fibre, Splitter & Combiners, Matrices and Power Supply modules are available.





General Specifications	
AC Input	85-264 Vac 50/60Hz
AC Consumption	TBC
Redundancy & Hot Swap	
PSU Redundancy	N/A
CPU Redundancy	N/A
Control & Monitoring	
Local Control & Monitoring	HMI (Capacitive touch screen) (Optional)
Remote Control & Monitoring	Ethernet via RJ45, 10BaseT/100BaseTx ETL TCP/IP protocol SNMP v3 Built-in Web Server (HTTPS)
Internal 10MHz Distribution	Optional
Reliability	
MTTR	15 minutes
MTBF	Chassis > 250 000 CPU > 250 000
Environmental Conditions	
Operating Temperature	-20 to +50°C
Storage Temperature	-40°C to +80°C
Location	Indoor
Humidity	20 to 90% non-condensing
Altitude	10,000ft/3000m AMSL
Physical Dimensions & Parameters	
Capacity	10 module slots available
Weight	TBC
Dimensions	TBC
Front Panel Colour	TBC

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.  
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

