Introducing the new DecaQ

Modules

SCs

ENABLE PARTIAL UPGRADES

Re-use selected Modules and Signal Conditioning boards (SCs)

DECA Q

45 SERIES
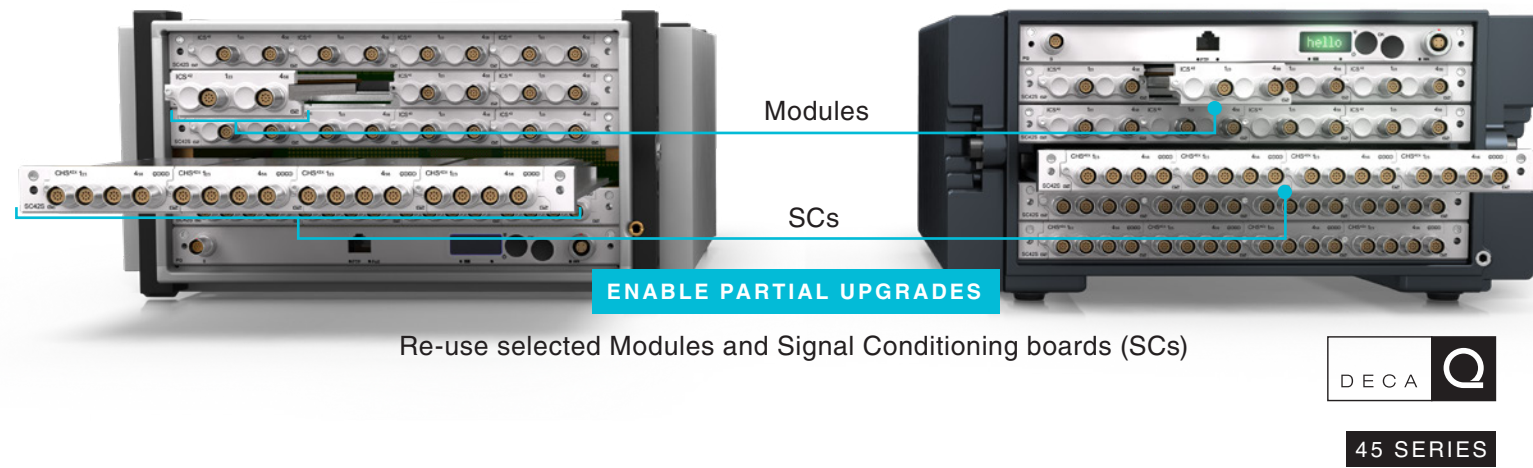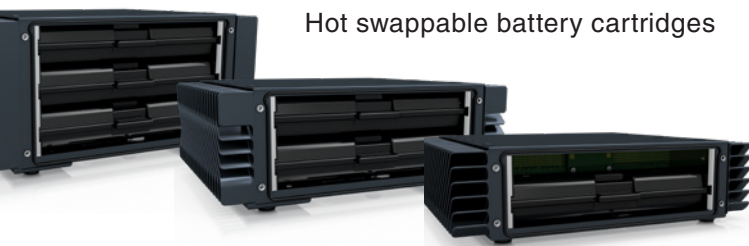
Why Upgrade?

The DECA**Q** mainframe now supports longer-life batteries for running tests in the field. It also supports moving many of your existing modules into this updated platform. The upgraded PQ45 controller supports more channels at higher sample rates. In addition to improvements to handling and cooling, the controller has been relocated to the top slot to reduce interference with the Wi-Fi antennas. Overall these updates allow users to measure data faster with more flexibility.

LI-ION BATTERIES
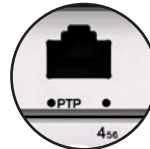
Easily removable

Hot swappable battery cartridges

PQ45 - INCREASED PERFORMANCE

1.5 GHz processor (4-cores) with WiFi, 128 GB SSD and 2 GB DDR4 Memory

PoE SUPPORT

Coming Soon

IMPROVED COOLING

Conduction cooled.
Fans move air around the sealed chassis to assist with cooling. Can be switched off for acoustic measurements.

12-216 CHANNELS

LESS NOISE INTERFERENCE ON CABLING

Antennas moved to top slot

CRISP CLEAR OLED DISPLAY

In addition to the benefits listed below, a DECA**Q** / PQ45 system also supports a wide array of 3rd party software solutions. See Multiboot for more details.

QUANTUSSOFTWARE

	PAK MKII	DECAQ
		✓

ENABLE PARTIAL UPGRADES

	PAK MKII	DECAQ
Modules	42 series Modules	42 and 45 series Modules

CHASSIS

	PAK MKII	DECAQ
Frame	Painted	Scratch resistant, fully anodized carbon colour
Design	PQ in the bottom slot	PQ in the top slot, leads to simpler cable management
Fans	Placement at the back. Selectable Fan speed	Improved system cooling with fan placement at the sides. Selectable Fan speed
Batteries	Ni-Mh	Multiple removable cartridges of Li-Ion for 2 hours of battery life

ENVIRONMENTAL FEATURES

SPECIFICATION	DECAQ
Humidity non-condensing	90 % RH
Shock[1] 11 ms duration	55 g vertical ｜ 40 g Transverse and Longitudinal
Random Vibration[2] 300 to 1000 Hz	$0.1\ g^2$/Hz Vertical ｜ $0.05\ g^2$/Hz Transverse and Longitudinal

[1]. According to MIL-STD-810G Method 516.6, Procedure V. 1 g = 516.6 m/s[2]
[2]. According to MIL-STD-810G Method 514.6, Procedure I. 1 g = 514.6 m/s[2]

POWER SUPPLY AND CONTROLLER

SPECIFICATION	PAK MKII	DECAQ
Power processor with memory	1.3 GHz PowerPC with 1 GB DDR2 Memory	1.5 GHz processor (4-cores) with 2 GB DDR4 Memory
Display	4 character LED display	Crisp clear OLED Display

OPTIONAL FEATURES

PAK MKII	DECAQ	
Built-in Battery	Built-in Battery Cartridges	Swappable Cartridges
SSD 128 GB	SSD 128 GB	
WiFi	WiFi	
	PoE Support	

EXTENDED WARRANTY

	PAK MKII	DECAQ
Up to 10 years		✓