

Courage + Khazaka Control Units Comparison

MPA Systems, MDD 4 and Wireless Probe System - research and laboratory probe platforms

Feature	MPA 2	MPA 6	MPA 10	Cutometer® dual MPA 580	MDD 4	Wireless Probe System
Main purpose	Compact USB control unit for basic probe connection	Modular multi-probe system	Advanced modular multi-probe system	Cutometer® elasticity system with multi-probe capability	Portable handheld measuring device with display	Wireless probe operation with direct data transfer to software
Maximum number of probes	Up to 2 probes	Up to 5 external probes + built-in Sebumeter®	Up to 9 external probes + built-in Sebumeter®	1 Cutometer® probe included + optional second Cutometer® probe + up to 4 additional C+K probes	Up to 4 compatible probes, depending on configuration	Individual wireless probes transmit values by radio to the RR 200 receiver
Built-in Sebumeter®	No	Yes	Yes	Yes	Depends on model/configuration	No built-in base unit; sebum measurement requires compatible wireless probe where available
Cutometer® compatibility	No	No	No	Yes	No	No
Frictometer® compatibility	No	Yes	Yes	Yes	Yes	No
Power supply	No external power supply required	External power supply required	External power supply required	External power supply required	Battery-operated handheld device	Battery-operated probes; RR 200 receiver connects to PC via USB
Connection to PC / software	USB connection to PC	USB / software connection	USB / software connection	USB / software connection	Can be connected to PC for data transfer with dedicated MDD software	RR 200 receiver via USB; values transmitted wirelessly to MPA Wireless / MPA WLplus software
Software	MPA CTplus	MPA CTplus	MPA CTplus	MPA CTplus	MDD software for transferring measured data to Excel; not a full MPA CTplus workflow	MPA Wireless / MPA WLplus software
Display on device	No	No	No	No	Yes, handheld display	No display on receiver; values are shown in software
Expandable system	Limited to 2 probes	Yes	Yes	Yes	Limited handheld configuration	Expandable by using available wireless probe options
Best suited for	Small research setups with 1-2 parameters	Medium multi-parameter skin studies	Advanced multi-parameter research protocols	Skin elasticity / viscoelasticity studies with optional additional parameters	Portable measurements where a PC is not required during measurement	Flexible wireless measurements where cable-free handling is preferred
Ambient condition sensor data	Can be saved with measurements when used with compatible RHT sensor	Can be saved with measurements when used with compatible RHT sensor	Can be saved with measurements when used with compatible RHT sensor	Can be saved with measurements when used with compatible RHT sensor	Not the standard MPA CTplus workflow	Can be used within supported wireless software workflow where applicable
Special note	Cutometer® and Frictometer® are not compatible	Cutometer® is not compatible	Cutometer® is not compatible	Required system for Cutometer® probe	Measured data should be transferred before powering off the MDD, as measurement memory is limited/not intended for later storage	Transmission distance is typically about 5-10 m, depending on environment

Note: Compatibility depends on the selected probes and system configuration. For Cutometer® measurements, the Cutometer® dual MPA 580 is required. Wireless operation requires compatible wireless probes and the RR 200 receiver/software setup.