

MIRION  
CSP Family



# PROBE-TO-HOST INSTRUMENT COMPATIBILITY GUIDE

																										
		<i>Multi-purpose contamination probe</i>	<i>Alpha-Beta discrimination in high Gamma background</i>	<i>Contamination check in high Gamma/Neutron background</i>	<i>Beta contamination check in high Gamma background</i>	<i>Personal Beta contamination check</i>	<i>Alpha/Beta discrimination for personal frisking</i>	<i>Large area Alpha contamination check</i>	<i>Large area Beta contamination check</i>	<i>Alpha/Beta discrimination on large contamination area and personal frisking</i>	<i>Large area Alpha/Beta frisking or hand counting</i>	<i>Alpha/Beta counting on foot</i>	<i>Alpha/Beta contamination control on floor</i>	<i>Field Alpha/Beta Smear/Filter Counter</i>	<i>Low dose-rate and Gamma contamination probe</i>	<i>Very low dose-rate and Gamma contamination probe</i>	<i>Low energy Gamma/X and Alpha contamination check in humid environment</i>	<i>Adapt existing pancake probes - Not fully CSP</i>	<i>Adapt existing Alpha/Beta probes</i>	<i>Neutron presence detection</i>	<i>Neutron dose equivalent rate</i>	<i>Very low H*(10) dose equivalent rate probe for public working area checks</i>	<i>Wide range H*(10) dose equivalent rate to ICRP-60</i>	<i>Wide range H*(10) dose equivalent rate to ICRP-60</i>	<i>Very high dose rate probe for fuel control</i>	
		$\alpha \beta \gamma$	$\alpha \beta$	$\alpha$	$\beta$	$\beta$	$\alpha/\beta$	$\alpha$	$\beta$	$\alpha/\beta (\gamma)$	$\alpha/\beta$	$\alpha/\beta$	$\alpha/\beta$	$\alpha/\beta$	$\gamma$	$\gamma$	$\alpha X \gamma$	$\alpha \beta \gamma$	$\alpha \beta$	n rate	n dose	$\gamma$ dose	$\gamma$ dose	$\gamma$ dose	$\gamma$ dose	
Measurement Type		Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count rate and Dose rate equivalent	Count rate and Dose rate equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate and isotope activity equivalent	Count-rate	H*(10) Dose rate	H*(10) Dose rate	H*(10) Dose rate	H*(10) Dose rate	H*(10) Dose rate	
CSPS Capabilities	Calibration & Setup	HV plateau	No	HV plateau	HV plateau	HV plateau	HV plateau - $\alpha/\beta$ crosstalk	HV plateau	HV plateau	HV plateau - $\alpha/\beta$ crosstalk	HV plateau - $\alpha/\beta$ crosstalk	HV plateau - $\alpha/\beta$ crosstalk	HV plateau - $\alpha/\beta$ crosstalk	HV plateau - $\alpha/\beta$ crosstalk	HV plateau - Isotope dose equivalent	HV plateau - Isotope dose equivalent	HV plateau	No	HV plateau - crosstalk	HV plateau	Dose coefficient	Dose coefficient	Dose coefficient	Dose coefficient	Dose coefficient	Dose coefficient
		Activity coefficient - Alarm setpoints	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Low energy discriminator - Alarm setpoints	Low energy discriminator - Alarm setpoints	High energy discriminator - Alarm setpoints	Activity coefficient - Alarm setpoint	Activity coefficient - Alarm setpoint	Alarm setpoints	Alarm setpoints	Alarm setpoints	Alarm setpoints	Alarm setpoints	Alarm setpoints
	Data-logging transfer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Acquisition	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	PC cable	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM80808 calib box	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466
	CSP-COM	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
	Minimum Firmware version	V1.0	V1.0	V1.0	V1.0	V1.0	V3.0.2	V3.0.3	V1.0	V1.0	V1.0	V3.0.5	V3.1.0.0	V3.0.2	V2.20	V2.0.0	V2.0.0	V1.2.0	V2.0	V3.0.0	V2.0	V3.1.0.0	V3.0.0	V2.0	V2.0	TBD
Radiagem 2000	Cables	Cables Set 1 + Direct connection	Cables Set 1 + Direct connection	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	N/A	Cables Set 1	Cables Set 1	Cables Set 1	EM77336 EM77337	Direct connection only	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	In pole	Cable set 1	
	Minimum Firmware version	V2.23	V2.23	V2.23	V2.23	V2.23	V2.23	V2.23	V2.23	V2.23	V2.23	V2.23	V2.23	N/A	V2.23	V2.23	V2.23	V2.23	V2.26	V2.23	V2.28	V2.25	V2.23	V2.23	V2.23	
	Data-logging control (2)	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	N/A	Yes in probe memory	Yes in probe memory	Yes in probe memory	No	Yes in dongle memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory	Yes in probe memory
	CSP-COM	No	No	No	No	No	No	No	No	No	No	No	No	No	N/A	No	No	No	No	No	No	No	No	No	No	No
RDS-31	Cables	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	N/A	N/A	Cables Set 2	Cables Set 2	Cables Set 2	Cables Set 2	In pole	Cable set 2	
	Minimum Firmware version	V3.05.5	V3.05.5	V3.05.5	V3.05.5	V3.05.5	V3.05.5	V3.05.5	V3.05.5	V3.05.4	V3.05.5	V3.05.5	V3.05.5	V3.05.5	V3.05.4	V3.05.4	V3.05.4	N/A	N/A	V3.05.4	V3.05.5	V3.05.5	V3.05.5	V3.05.5	TBD	
Colibri	Cables	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	EM77336 EM77337	Direct connection only	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	In pole	Cable set 1	
	Minimum Firmware version	V2.2	V2.2	V2.2	V2.2	V3.0.3 Platform 1.1	V3.1.1 Platform 1.1	V2.2	V2.2	V2.2	V3.4 Platform 1.1	V3.4 Platform 1.1	V3.0.3 Platform 1.1	V3.0.1 Platform 1.1	V2.2	V2.2	V2.2	V2.2	V2.7	V2.0	V3.0.3 Platform 1.1	V2.6	V2.2	V2.2	TBD	
	Data-logging control	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in Colibri memory	Yes in probe memory
	CSP-COM-BT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	No	(1)	(1)	(1)	(1)	(1)	(1)	
AVIOR-2/ MIP-2	Cables	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	EM77336 EM77337	Direct connection only	Cables Set 1	Cables Set 1	Cables Set 1	Cables Set 1	N/A	Cable set 1	
	Minimum Firmware version	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.1.2	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	V1.0.0	N/A	TBD	
	Data-logging control	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	Yes in instrument memory	N/A	Yes in probe memory
	Hand/Foot mode	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	N/A	No
CSP-COM	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N/A	No	
Specific Application Software Development	PC cable	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	No	EM78466	EM78466	EM78466	EM78466	EM78466	EM78466	EM78467	
	CSP-PL SDK compatibility	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	CSP-COM-BT CSP-COM Ethernet	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	Acquisition and Unit selection	No	Acquisition and unit selection	Yes Acquisition	Yes Acquisition	Yes Acquisition	Yes Acquisition	Yes Acquisition	

Cables Set 1: EM77336: 1.5 meter straight cable / EM77337: 0.7 – 1.5 meter coil cable / EM99006: 10 meter straight cable / EM98830: 20 meter straight cable  
Cables Set 2: 1233-318: 0.3 meter straight cable / 1233-319: 1.5 meter straight cable / 1233-320: 0.7 – 1.6 meter coil cable

(1) Except for Colibri-Basic version (not bluetooth capable)  
(2) Requires CSPS to read data-logging in Computer



**CSPS  
Capabilities**

**Radiagem  
2000**



**EM88940**  
PC USB CABLE

**RDS-31**



**1233-265**  
USB PC Cable with configuration software CSW-31

**Colibri**



**EM87495**  
PC cable for Colibri set-up  
**EM88940**  
PC USB Cable for Colibri internal detector calibration

**AVIOR-2/  
MIP-2**



**EM88940**  
PC USB CABLE

**Specific  
Application  
Software  
Development**

