HUKX

Sensor
Technology

Instruction sheet

Adapter cable for replacement of
SR20-T1/T2 with SR200-A1

C12A-A1

C12A-A1

Adapter cable for replacement of SR20-T1/T2 with SR200-A1

This document describes the pinout changeover and provides guidance on key considerations for the installation and use of the C12A-A1 adapter cable for analog pyranometers.

Table 1 Function correspondence between 10-pin M16 SR20-T1 and SR20-T2 and 5-pin M12-A SR200-A1 cable.

M16			M12-A		
pin	**color**	**function**	**pin**	**color**	**function**
2	red	PT100 / 10k thermistor [+]	1	brown	PT100 / 10k thermistor [+]
3	pink	PT100 / 10k thermistor [+]	4	black	PT100 / 10k thermistor [+]
6	blue	PT100 / 10k thermistor [-]	3	blue	PT100 / 10k thermistor [-]
8	gray	PT100 / 10k thermistor [-]	3	blue	PT100 / 10k thermistor [-]
1	brown	Heater	-	-	-
4	yellow	Heater	-	-	-
9	black	Ground	-	yellow	cable shield / body
7	white	Signal [+]	2	white	Signal [+]
5	green	Signal [-]	5	gray	Signal [-]

The C12A-A1 cable is shielded and is connected to both connector chassis. Therefore, there is a continuous connection of the cable shield to the pyranometer body and the earthing terminal.

Specifications related to the cable and connector may deviate from SR200-A1 specifications when this adaptor cable is used. Examples include: maximum current capacity, (peak) voltage rating, and isolation voltage.

When installing SR200-A1 using C12A-A1, EMC specifications for emissions and immunity may not be met. EMC specifications have only been verified for installation with the factory cable or equivalent. Determine whether the earthing terminal needs to be connected to an earthing point and possibly to an SPD protecting the pyranometer. This instruction is part of the installation advice for Hukx industrial pyranometers.

For all installation instructions, refer to the SR200-A1 user documentation.

About Hukx

Hukx is the leading innovator in solar radiation and heat flux sensor technology. We are proud to set the standard in high-accuracy measurement, and to be working at the heart of the energy transition.

Customers worldwide rely on our bestselling pyranometers and heat flux sensors. From sensor design and selection to supply and recalibration, we support you across the entire lifecycle.

Hukx is headquartered in the Netherlands, with locally owned representative sales offices in the USA, Brazil, India, China, Southeast Asia, and Japan.

Let us help you select the best sensor for your application.
Get in touch with our experts today via: info@hukx.com

© Hukx
Version 2606
We reserve the right to change specifications without prior notice.

www.hukx.com

HUKX