

	sq16 basic	sq16plus advanced	sq16pro advanced with internal hub
No of channels diff	8	8	8
No of channels single ended	16	16	16
Channel expansion	NO	YES up to 128 channels*	YES up to 128 channels
2 wire resistance	YES	YES	YES
3/4 wire resistance	NO	YES	YES
Differential voltage	-30 to 30V	-60 to 60V	-60 to 60V
1/4, 1/2 & full bridge	YES	YES	YES
Single ended DC	YES	YES	YES
Differential DC	YES	YES	YES
Current Loop (4 20mA)	YES	YES	YES
Thermocouple S.E and diff B, C, D, J, K, N, R, S and T	YES	YES	YES
Thermistor Grant & user defined	YES	YES	YES
Digital state input channels	YES	YES	YES
Digital alarm outputs	YES	YES	YES
Ref junction temperature	YES	YES	YES
Scan intervals	0.1 sec to 24 hrs	0.01 sec to 24 hrs	0.01 sec to 24 hrs
Internal ref temp accuracy	better than 0.1°C over range 5-40°C	better than 0.1°C over range 5-40°C	better than 0.1°C over range 5-40°C
Fast channels	up to 8Hz	up to 100Hz x2 channels	100Hz x 2 channels
Calculated channels	16	16	16
SDI-12	NO	YES	YES
Meter mode (via smartphone)	YES	YES	YES
Battery life	up to 6 months all channels logging every 15 mins	up to 6 months all channels logging every 15 mins	up to 6 months all channels logging every 15 mins
External power	8 to 38 V dc at 150mA when connected to an external supply	8 to 38 V dc at 150mA when connected to an external supply	8 to 38 V dc at 150mA when connected to an external supply
Sensor power output	8 to 38 V dc at 150mA when connected to an external supply	8 to 38 V dc at 150mA when connected to an external supply	8 to 38 V dc at 150mA when connected to an external supply
Memory	x 4GB	x 16GB	x 16GB
Operating environment	-30 to +65°C, 0 to 95% RH (non condensing)	-30 to +65°C, 0 to 95% RH (non condensing)	-30 to +65°C, 0 to 95% RH (non condensing)
USB	YES	YES	YES
Micro SD	YES	YES	YES
Bluetooth	YES	YES	YES
Ethernet	NO	NO	YES
WiFi	NO	NO	YES
Open Thread	NO	NO	YES
4G	NO	NO	YES
Lora	NO	NO	YES
Dimensions	257mm x 206mm 57.3mm	257mm x 206mm 57.3mm	257mm x 206mm 57.3mm
Weight	1.5 kg	1.5 kg	1.5 kg