HBK DAkkS Standard-Einstellungen für Messverstärkerkalibrierungen
HBK DAkkS Standard-settings for Measuring Amplifiers

Quantum X					
Verstärker / *amplifier*	Sensortyp / *sensortype*	Bridge Supply	DC/Carrier Frequency	Cal_Range	Kalibrierung bei Prozent Cal-Range *calibration at percent Cal_Range*
MX238B	SG Full Bridge	5V	225 Hz	2,5 mV/V	0%, 4%, 8%, 16%, 24%, 32%, 40%, 48%, 56%, 64%, 72%, 80%, 88%, 96%, 100%, -0%, -4%, -8%, -16%, -24%, -32%, -40%, -48%, -56%, -64%, -72%, -80%, -88%, -96%, -100%
MX410 / MX410B / MX411	Piezoresistive Full Bridge	2,5V	DC	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Piezoresistive Full Bridge	5V	DC	50 mV/V	0%, 100%, -100%
	SG Full Bridge	1V	4,8 kHz	10 mV/V	0%, 100%, -100%
	SG Full Bridge	2,5V	4,8 kHz	8 mV/V	0%, 100%, -100%
	SG Full Bridge	5 V	4,8 kHz	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	1V	DC	20 mV/V	0%, 100%, -100%
	SG Full Bridge	2,5V	DC	10 mV/V	0%, 100%, -100%
	SG Full Bridge	5 V	DC	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	7,5 V	DC	4 mV/V	0%, 100%, -100%
	ind. Full Bridge	1V	4,8 kHz	100 mV/V	0%, 100%, -100%
	ind. Full Bridge	2,5V	4,8 kHz	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 20mA	-	-	20 mA	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 10 V	-	-	10 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
MX430B	SG Full Bridge	2,5V	DC	2 mV/V	0%, 100%, -100%
	SG Full Bridge	2,5V	DC	5 mV/V	0%, 100%, -100%
	SG Full Bridge	2,5V	600 Hz	2 mV/V	0%, 100%, -100%
	SG Full Bridge	2,5V	600 Hz	5 mV/V	0%, 100%, -100%
	SG Full Bridge	5 V	DC	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	5 V	DC	5 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	5 V	600 Hz	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	5 V	600 Hz	5 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	10 V	DC	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	10 V	DC	5 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
MX440 / MX440A / MX440B	SG Full Bridge	1V	4,8 kHz	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	2,5V	4,8 kHz	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	ind. Full Bridge	1V	4,8 kHz	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	ind. Full Bridge	1V	4,8 kHz	1000 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	ind. Full Bridge	2,5V	4,8 kHz	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Piezoresistive Full Bridge	2,5V	DC	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Piezoresistive Full Bridge	2,5V	DC	1000 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 20mA	-	-	20 mA	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 300mV	-	-	100 mV	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 10V	-	-	10 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 60V	-	-	30 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Pt100	-	-	800 °C	-100°C, -40°C, -9°C, 22°C, 48°C, 74°C, 100°C, 126°C, 152°C, 178°C, 204°C, 400°C, 600°C, 800°C
	P1000	-	-	800 °C	-100°C, -40°C, -9°C, 22°C, 48°C, 74°C, 100°C, 126°C, 152°C, 178°C, 204°C, 400°C, 600°C, 800°C
	Frequency 1000kHz	5V, asym.	-	200 kHz	10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%

HBK: public

Quantum X					
Verstärker *amplifier*	Sensortyp *sensortype*	Bridge Supply	DC/Carrier Frequency	Cal_Range	Kalibrierung bei Prozent Cal-Range *calibration at percent Cal_Range*
MX460 / MX460B	Frequency 20kHz	5V, asym.	-	20 kHz	10%, 20%, 30%, 40%, 50%, 60%,70%, 80%, 90%, 100%
MX809B	DC 5V	-	-	5V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Thermocouple, Type K	-	-	1300 °C	-100°C, -40°C, -9°C, 22°C, 48°C, 74°C, 100°C, 126°C, 152°C, 178°C, 204°C, 500°C, 1000°C, 1300°C
MX840 / MX840A / MX840B	SG Full Bridge	1V	4,8 kHz	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	2,5V	4,8 kHz	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	ind. Full Bridge	1V	4,8 kHz	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	ind. Full Bridge	1V	4,8 kHz	1000 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	ind. Full Bridge	2,5V	4,8 kHz	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Piezoresistive Full Bridge	2,5V	DC	100 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Piezoresistive Full Bridge	2,5V	DC	1000 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 20mA	-	-	20 mA	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 300mV	-	-	100 mV	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 10V	-	-	10 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 60V	-	-	30 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	Pt100	-	-	800 °C	-100°C, -40°C, -9°C, 22°C, 48°C, 74°C, 100°C, 126°C, 152°C, 178°C, 204°C, 400°C, 600°C, 800°C
	P1000	-	-	800 °C	-100°C, -40°C, -9°C, 22°C, 48°C, 74°C, 100°C, 126°C, 152°C, 178°C, 204°C, 400°C, 600°C, 800°C
	Frequency 1000kHz	5V, asym.	-	200 kHz	10%, 20%, 30%, 40%, 50%, 60%,70%, 80%, 90%, 100%
MX878 / MX878B / MX879 / MX 879B	-	-	-	10 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
MX1601 / MX1601B	DC 20mA	-	-	20 mA	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 100mV	-	-	0,1 V	0%, 100%, -100%
	DC 10V	-	-	10 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
MX1609KB	Thermocouple, Type K	-	-	1300 °C	-100°C, -40°C, -9°C, 22°C, 48°C, 74°C, 100°C, 126°C, 152°C, 178°C, 204°C, 500°C, 1000°C, 1300°C
MX1615 / MX1615B / MX1616B	SG Full Bridge	1V	DC	20 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	2,5V	DC	8 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	5V	DC	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	1V	1200 Hz	20 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	2,5V	1200 Hz	8 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG Full Bridge	5V	1200 Hz	2 mV/V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG quarter bridge, 120Ohms	1V	DC	16000 µm/m	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	SG quarter bridge, 350Ohms	2,5V	DC	16000 µm/m	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%
	DC 10V	-	-	10 V	0%, 20%, 40%, 50%, 60%, 80%,100%, -0%, -20%, -40%, -50%, -60%, -80%, -100%

HBK: public