

QV/02/XX

In-line Charge to Voltage Converter



TECHNICAL SPECIFICATIONS

Performance	QV/02/0.1	QV/02/1	QV/02/10
Gain, mV/pC±2% @500Hz *	x0.1	x1	x10
Max Input Charge	70nC	7nC	0.7nC
Input capacitive loading, nF/1% gain reduction		1	
Noise level, pC r.t.i. i/p cap, 1nf	0.03	0.01	0.005
Peak O/P voltage		7V AC	
Bandwidth (-3dB)	0.1Hz to 100kHz	1.5Hz to 100kHz	5Hz to 100kHz
Startup time		10Hz to 10kHz	
Supply voltage	+18V / 35V DC for 7V AC pk. O/P		
Supply current	2-20mA		
Operating temperature range	-50°C / +125°C		
Case material	Stainless Steel		
Weight	20.6 grams		
Input Connector	Microdot		
Output Connector	BNC		

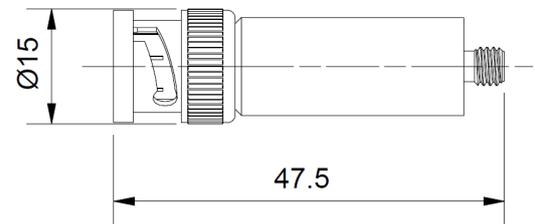
DEVICE/FAMILY OPTIONS

- ✓ QV/02/XX - Custom gain settings available on request
- ✓ QV/02/XXET - Extended temperature variant to 165°C

TYPICAL CABLE OPTIONS

- ✓ MP2/BC1/S18/30 - Microdot to BNC, FEP jacket co-axial, 3 meters
- ✓ MP2/MP2/S18/30 - Microdot to Microdot, FEP jacket co-axial, 3 meters
- ✓ Other options and lengths available

QV/02/XX DIMENSIONS



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SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

ALL DEVICES CALIBRATED IN ACCORDANCE WITH BS ISO 16063-21:2003. ALL DEVICE CALIBRATIONS ARE UKAS TRACEABLE.