



## DSC USB Specification

Description	Min	Typical	Max	Units
Bridge Excitation	4.5	5	5.25	Vdc
Loadcell Excitation System		4 wire		
Bridge Impedance	80	350	5,000	$\Omega$
Bridge Sensitivity	-3		+3	mV/V
Offset Temperature Stability		1	4	ppm/°C
Gain Temperature Stability		3	5	ppm/°C
Offset Stability with Time		20	90	ppm of FR *
Gain Stability with Time			30	ppm of FR /1st Year
Non-linearity		5	25	ppm of FR
Internal Resolution		16 Million		Counts/Divisions
Resolution at 1Hz (Noise Stable) **		200,000		Counts/Divisions
Resolution at 10Hz (Noise Stable) **		120,000		Counts/Divisions
Resolution at 100Hz (Noise Stable) **		50,000		Counts/Divisions
Filter	User programmable dynamic recursive type			
USB cable length ***	1.5			m
Case dimensions	See diagram below			
Operating temperature range	-40		85	°C
Storage temperature	-40		85	°C
Humidity	0		95	%RH Non condensing
Data Rate	2400		460800	Baud

### Notes:

\* From original offset at any time.

\*\* Stability over 100 second period.

\*\*\* A standard USB to micro USB cable is supplied with the DSC USB. A USB extension cable can be used extending the total cable length to 5m.

FR = full range.

RH = relative humidity.

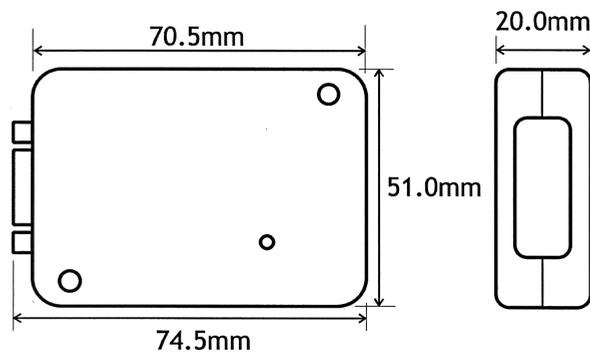
The DSC USB is normally supplied set to 10 readings a second and a data rate of 115200baud. The user can easily change this.

### Order codes

DSCUSB

Cased USB digitiser with ASCII protocol. High stability.

Manuals and supporting software can be downloaded from the internet. The DSC USB can be calibrated in a number of different ways depending upon the application. Please consult our engineering department for help with your requirements.



This product complies with the requirements of the European EMC directive.

Novatech reserves the right to vary the foregoing details without prior notice

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