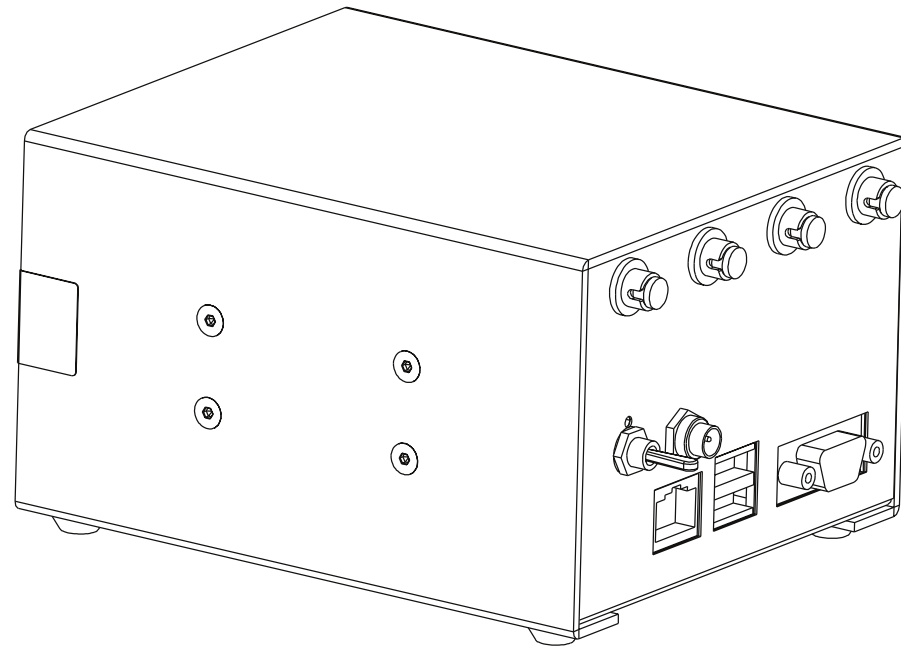
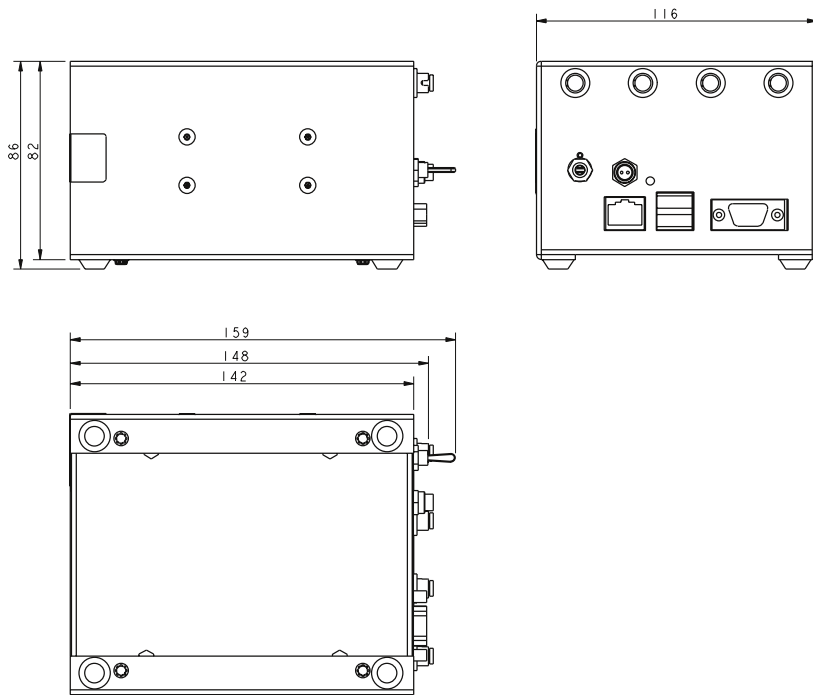


ALL DIMENSION IN mm



SCALE 1:1

**SMARTSCAN SPECIFICATIONS:**

**MEASUREMENT AND PROCESSING:**

WAVELENGTH RANGE:	40nm => 1528-1568nm
NUMBER OF OPTICAL CHANNELS :	4
MAXIMUM NUMBER OF SENSORS PER CHANNEL :	16
SCAN FREQUENCY (all sensors simultaneously):	2.5 kHz
SCAN FREQUENCY (per sensor in turn) :	50 kHz
REPEATABILITY :	<1pm
WAVELENGTH STABILITY :	<5pm OVER OPERATING TEMPERATURE RANGE, +/- 20pm OVER 25 YEARS
DYNAMIC RANGE :	27dB
GAIN CONTROL :	9 LEVELS PER CHANNEL OR PER SENSOR, AUTOMATIC OR USER CONTROLLED
ONBOARD PROCESSING :	FOR CONVERSION OF MEASURING UNITS AND INTERFACING TO CLIENTS SYSTEMS

**MECHANICAL, ENVIRONMENTAL AND ELECTRICAL:**

DIMENSIONS :	142x116x82mm / 5.6x4.6x3.2"
WEIGHT :	0.9 kg / 2lb
OPERATING TEMPERATURE :	-15 TO +55°C / 5 TO 131°F
EMC : CONDUCTED SUSCEPTIBILITY AND CONDUCTED EMISSIONS :	EN 61000
COMMS INTERFACE :	ETHERNET (UDP-IP)
DATA CONNECTOR :	RJ45 STANDARD
POWER CONNECTOR :	VIA MAINS ADAPTER SUPPLIED
OPTICAL CONNECTOR :	FC/APC
INPUT VOLTAGE :	+9 TO +36 VDC
POWER CONSUMPTION :	TYP 7.5 W, MAX 8.5 W

SHEET 1 OF 4

					MATERIAL: SEE BOM			<b>SMART FIBRES</b>	
A	JFV	CD	CD	FIRST ISSUE	02DEC09	TOLERANCES: X mm±0.5 X.X mm±0.25 X.XX mm±0.1		USED ON: 3-100	DESCRIPTION: SMARTSCAN ASSEMBLY
ISSUE	DRWN	CHK	APPD	MODIFICATION	DATE		SCALE: N/A	3100-2002	
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