

HORIZON

For a reliable solution!

Horizon Global Electronics Ltd

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COMPANY PROFILE



- **Horizon Global Electronics Ltd was established in the UK in 2000**
- **Horizon is a world leader in designing and manufacturing of specialist hand held test equipment for use in the Digital Tv and Digital Satellite sector**
- **Horizon's strengths lie in being able to find innovative solutions to leading technology issues**
- **Working with BskyB in the UK the original satellite meter was used for the rollout of BskyB digital programme in the UK**
- **Horizon have to-date designed and developed 5 meters for use in these sectors, and have other products in development**
- **Horizon now has meters in use in over 58 different countries around the world**



- **Horizon meters are for use in the DVB-S and DVB-T sector with meters for DVB-C and other specialist applications under development**
- **Specialist application meters have capabilities to tie with a computer interface and custom protocol for monitoring purposes**
- **Full software support via downloads available from our web page www.horizonhge.com**



Horizon Digital Terrestrial Meter specification HDTMv2

- Displays Signal Strength (R.F level) and Pre and Post BER together
- Fast and accurate Pre BER in real time for easy pointing of aerial via built in COFDM PASS and FAIL indication in real time.
- 32 pre programmed transmitters (via website) or all channel step trough
- Audible tune-in, with back light
- 7 or 8 MHz channels
- 2K and 8 K mode
- Automatic constellation
- VHF (band3) and UHF bands
- RF input range 167-862 MHz
- Input dynamic range -72dBm ~ -20dBm
- Input connector BNC
- Input impedance 75 ohms
- Built in universal charger 100-240 V Ac/ 12 W Intelligent charger (CE approved) with delta V delta T detection fast charge, then trickle
- Run time with full charge: Minimum 5 hours from 2.4 Ah NiMH battery
- Figure of 8 mains input connector. 2.1 mm Female PSU plug for external charge via supplied car charger
- Computer interface: Serial port (Com 1-4) for upgradeable software on transmitters
- Supplied with leather case, mains lead, programming lead, car lead, IEC to BNC adapter and 2off 10db attenuators





Horizon Digital Satellite Meter specification HDSMV2.5

- Signal Strength and BER displayed together
- 32 Transponders or 16 satellites, horizontal & vertical
- Audible tune-in, with back light
- DVB, C & Ku-Band, Mpeg, V-Sat compatible
- Input dynamic range -65dBm~-25dBm
- Input connector F-female. Input imp 75 ohms
- Symbol Frequency rate from 1 Msps~45Msps
- Universal charger 100 V ~ 240 V Ac/ 12 W intelligent Charger (CE approved) with delta V delta T detection fast charge, then trickle
- Run time with full charge (single LNB): Minimum 3 hours from 2.4Ah NiMH battery
- Figure of 8 mains input connector. 2.1 mm Female PSU plug for external charge via supplied car charger
- LNB short circuit protection 500 mA automatic limiter
- RF input range 950- 2150 MHz
- Computer interface: Serial Port (COM 1,2,3 or 4) for upgradeable software on satellite settings
- RF level can be displayed in dBuV (accurate to +/-1dB) or linear scale (256 steps) this feature is available in set up mode
- C/N (carrier noise) is displayed in dB
- Quality (Pre B.E.R or bit error rate) is locking on faster making it easier to lock on to the satellite initially typical lock in less than 100 mS
- Instead of "found" to indicate lock of correct satellites actual B.E.R can be displayed this feature is available in set up mode
- The quality (Pre B.E.R) bar graph can be logarithmic rather than liner making it easier to peak the dish and helps with weak satellites this feature is available in set-up mode
- Diseqc switch commands available in submenu



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MiniSat Specification

- **Cost effective**
- **Small and Compact**
- **Self powered via rechargeable NiMH batteries**
- **Measure two sats at same time**
- **Powered via built in batteries, charger or receiver**
- **Large graphic LCD display for all information**
- **Quick access keys for most functions**
- **Digital accurate and sensitive**
- **Built in backlit**
- **Built in sounder**
- **Measure voltage current and RF signal level, 22 K tone and DiSEqC**
- **Can generate 22 K tone and DiSEqC and high or low voltage for LNB**
- **Supplied with NiMH batteries, mains charger, car charger, 2 x F to F leads, compass and leather carrying case**
- **Option in setup for various defaults including different languages**
- **Input frequency 2X, 950 to 2150 MHz**
- **Input level 40 to 100 dBuv**
- **Voltmeter up to 30 V**
- **Current up to 1000mA**
- **22 KHz detection and generation**
- **DiSEqC 1.0 and 1.1 detection and generation**
- **Run time up to 2 hours**
- **Dimensions 140 x 70 x 40mm**
- **Weight 0.6 Kg**





HDTM-Si Professional specification

- Easy to read RF level (calibrate 35 dBuV to 75 dBuV with over indicator) and Pre and Post BER (Bit Error Rate)
- Fast and responsive
- Either 12 V DC supply or 100-240 V mains
- For 24/7 use
- As used by the RAIWAY in Italy
- Serial interface: RS232 9600 baud N 8 1
- Commands: Pre BER, Post BER and RF level
- Input and out put connectors: BNC
- Frequency input : 167-862 Mhz
- Bandwidth: 6, 7 or 8 MHz
- Input level: -72 dBm to -20 dBm
- Built in: COFDM with Automatic constellation
- Power requirement: Ac 100-240 V @ 12 W or 12 V DC 12 W
- Size: 168x58x124 mm
- Weight: 1 Kg





HDSM-Si Professional specification

- Small and compact meter for monitoring purposed via RS232 computer interface.
- Easy to read RF level, Carrier Noise and Pre and Post BER (Bit Error Rate)
- Fast and responsive with up to 32 pre programmed channels
- Either 12 V DC supply or 100-240 V mains
- For 24/7 use
- As used by the RAIWAY in Italy
- Serial interface: RS232 9600 baud N 8 1
- Commands: Pre BER, Post BER, C/N and RF level
- Stored channels: 32
- Input and out put connectors: IEC 169-24 F female
- Frequency input : 950-2150 Mhz
- Input level: -65 dBm to -25 dBm
- Symbol rate : 2 to 45 Msps
- DISEqC : Switch commands only
- Tone switching: For high band
- LNB supply voltage: 13V or 18 V Dc
- LNB supply current : 250 mA
- Power requirement: Ac 100-240 V @ 12 W or 12 V DC 12 W
- Size: 168x58x124 mm
- Weight: 1 Kg





- **Horizon OEM meters for the USA under the brand Birdog for Perfect10 a \$400 million turnover organisation and supply 1200 meters a month for use in the USA**
- **Horizon OEM meters for Germany under the brand MSK15 for Kathrein a 900 million euro company and supply around 300 meters a month for use in Germany**
- **Horizon have supplied specialist application meters for the RAIWAY in Italy, the state broadcaster for use in their rollout campaign of DTT**
- **Horizon meters are SONY approved for use in installing DTT televisions in Australia and are also Austar approved**
- **Some of the countries using our equipment include Netherlands, Switzerland, France, Germany, USA, Poland, Spain, Italy, Nigeria, South Africa, Israel, Belgium, Greece, Cyprus, Ireland, Sweden**
- **The meter range consists of HDSM V2.5, HDTM V2, MiniSAT, HDSM Si Professional, HDTM Si Professional, as well as OEM products**
- **All products are manufactured in the UK by a full ISO 9002 accredited Contract Electronic Manufacturer with 120 employees and £12 million turnover**



- **Annual Turnover for 2005 £3 million**
- **Forecast for 2006 £4 million**
- **Number of Employees 10 in UK, 1 USA and offices in India**
- **Percentage export 80%+**
- **Year started 2000**
- **SIC CODE 3679**
- **Product manufactured in UK by CEM 120 people £12 million turnover**



- **Headquarters in London UK**
- **Monitoring systems in UK, USA and offices in India**
- **Products conform to the following Low Voltage 73/23/EEC 93/68/EEC EMC 89/336/EEC 92/31/EEC 93/68/EEC and CE approved**
- **Products carry full 1 year warranty**



CONTACT DETAILS

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