

## H30E3 8VSB/QAM Evolution Series Antenna Installer's Meter



### All the functions you need now on your smartdevice

H30E is a field strength meter that combines the best features of a portable and compact equipment - distinctive of the H30 series - with revolutionary functionalities. Thanks to the innovative multiscreen system based on WiFi/Bluetooth, the meter may be remotely displayed and controlled using any Android or iOS device or a PC, thus providing the flexibility and convenience of a wireless system.

H30E is a lightweight, compact and robust equipment that includes a full range of tools and functionalities to successfully perform installation, maintenance and troubleshooting tasks in both analogue networks and digital networks with ATSC and QAM channels. Since it is a multi-standard equipment, the options may be updated by means of a license-based downloadable software, without the need for the equipment to be replaced.

### H30E Antenna Installers Meter 8VSB/QAM Evolution Series

- 8VSB
- QAM
- Bluetooth
- Web App
- Multiscreen
- Remote Control
- Constellation
- Channel Scan
- Option 593252, 593251, 593250
- Echo Details

### H30E-ATSC3.0 Antenna Installers Meter ATSC 3.0/8VSB/QAM Evolution Series

- ATSC 3.0
- 8VSB
- QAM
- Bluetooth
- Web App
- Multiscreen
- Remote Control
- Constellation
- Channel Scan
- H.265
- IPTV Analysis
- WiFi Analysis
- Echo Details

Mechanical Specifications	
Display	2.8" TFT 400 x 240 full colour
Weight	510g (1.124 lbs)
Dimensions	175 x 100 x 52 mm / 6.9 x 3.9 x 2 in (H x W x D)
Power Source	Input: 100-240V~ 50-60Hz Output: 12VDC, 2A
Battery	Lilon smart battery (7.2VDC, 2300mAh)
Operating Time	>4 hours
Operating Temperature	23°F to 104°F (-5°C to 45°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Humidity	5% to 95% non-condensing
Ruggedness	Survives 1 m (3 ft) drop to concrete on all sides
Communication Interfaces	USB 2.0 to download Datalogs and software updates
Storage	400 MB (internal) for measurements
Power up time	< 10 seconds

# H30E-A3 EVOLUTION ATSC 3.0 Signal Level Meter

	H30E	H30E-ATSC3.0
	593581	593585
<b>Frequency</b>		
Range	5-1002 MHz (depending on the function)	
Resolution	125 kHz	
Tuning	Frequency or channel	
<b>Spectrum Analyzer</b>		
Span	5, 10, 20, 50, 100, 200, 500 and Full span	
Scale	5 and 10 dB/div	
Hold mode	✓	
Reference level (automatic and manual)	✓	
<b>ATSC 3.0 Digital Measurements [Modulation OFDM]</b>		
Frequency Range	42-1002MHz	42-1002MHz
MPEG image	Option 593280	✓
RF Level	-15 - 50dBmV (45- -35 - 60dBmV (25-	Option 593280 Option 593235*
MER	Up to 38dB	Option 593280
LDPCBER	1.0E-2 - 1.0E-6	✓
BCHBER	1.0E-3 - 1.0E-8	✓
C/N	Up to 40dB	✓
Constellation		✓
Echoes		✓
<b>ATSC 1.0 Digital Measurements [Modulation 8VSB]</b>		
Frequency Range	42-1002MHz	42-1002MHz
MPEG image	✓	✓
RF Level	-15 - 50dBmV (45- -35 - 60dBmV (25-	✓ Option 593235*
MER	Up to 38dB	✓
PreBER	9.9E-2 - 1.0E-6	✓
PostBER	1.0E-3 - 1.0E-8	✓
Constellation	✓	✓
<b>Digital Measurements QAM [Modulations 64QAM and 256QAM]</b>		
MPEG image	✓	✓
RF Level	-15 - 50dBmV (45- -35 - 60dBmV (25-	✓ Option 593235*
Pre-BER and Post-VER	1.0E-3 - 1.0E-8	✓
MER	Up to 38dB	✓
C/N	Up to 40dB	✓
Constellation	✓	✓
<b>Analogue Measurements</b>		
Level	-35 - 65dBmV (25 - 125	✓
V/A		✓
C/N	Up to 45dB	✓
<b>Measurements and functions</b>		
Wi-Fi Analyzer	Option 593250	✓
IPTV Analyzer	Option 593251	✓
HEVC video display	Option 593252	✓
Terrestrial plans	CCIR, FCC STD, FCC	
User plans	✓	
Units	dBμV, dBmV, dBm	
Preamplifier powering	13, 18, 24 Vdc (max. current 475, 370, 140mA)	
System Scan	✓	
Learning Plan	✓	

\* Ref. 593235:  
Free option when  
registering the  
equipment