advanced media technologies®

MODEL

CTSP-SM8

"EMBEDDED" HMS/DOCSIS TRANSPONDER FOR THE TSP™

MYERS Power Products

The "SM8" is a HMS/DOCSIS transponder that mounts on the face of the TSP power supply to provide an integrated "embedded" status monitoring capability. Compatible with all TSP EM's running v2.00 firmware or later, the SM8 provides not only the HMS power supply data set using the DOCSIS structure, it can be optionally provisioned with a VoIP/QAM test suite.

FEATURES

- **Integrated "embedded" status monitoring solution**
- **SCTE-HMS 25-3 (HMS 022) compliant**
- **Both DOCSIS 2.0 and EuroDOCSIS versions available**
- **Monitors up to two battery strings**
- **Compatible with all TSP EM's running v2.00 firmware or later**
- **Robust module based design protects electronics**
- **"Special" port allows monitoring/controlling of non-standard applications**
- **Single or Dual IP**
- **Multiple supplies can be monitored by one SM8 by connecting the HMS port to the HMS ports of the other supplies.**
- **Can be provisioned with the Electroline ENetMonitor™" VoIP/QAM test suite.**

Model – No cables included	
Myers Model #	**Description**
CTSP-SM8	TSP Embedded HMS/DOCSIS2.0 Transponder, Single IP Configuration
CTSP-SM8D	TSP Embedded HMS/DOCSIS2.0 Transponder, Dual IP Configuration
CTSP-SM8E	TSP Embedded HMS/EuroDOCSIS Transponder, Single IP Configuration

Specifications*	
General	
Compliance:	DOCSIS 2.0 or EuroDOCSIS
Data Set:	SCTE-HMS 25-3 (HMS 022/151)
RF	
Return Frequencies (transmit)	DOSCIS 5 to 42 MHz, EuroDOCSIS 5 to 65MHz.
Return Level Range:	+8 to +58 dBmV (modulation dependent)
Forward Frequencies (receive):	91 to 857 MHz, +/- 30KHz centered
Forward Level Range:	-15 to +15 dBmV (one channel)
Forward Total Input Power:	+30 dBmV maximum (full spectrum)
RF Port Impedance:	75 ohms
RF Port Return Loss:	> 6 dB
Ports and Connectors	
RF Cable Interface:	Coaxial “F” type per ISO 169-24
Battery Interface:	Two 1x5 headers, one for each battery string
Battery Interface Cable:	Myers #: CTSPBCK-31, one cable per string (must be purchased separately)
HMS Port:	HMS Data port complies with HMS022/151 data link layer specification
“Special” Port:	2x2 header with one each digital input and output
Environmental	
Operating Temperature:	-40 to +70 degrees C (-40 to 158F)
Storage Temperature:	-50 to +85 degrees C (-40 to 176F)
Humidity:	up to 95% non-condensing
Mechanical	
Weight:	0.64 Kg (1.4 lbs)
Dimensions (HxWxD):	66x148x51 mm (2.6 x 5.8 x 2 Inches)

**Specifications subject to change without notice*

Power Products by Power Professionals

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