

# MODULATOR COFDM/QAM HD WITH HDMI LOOP

## MD HD EASY LOOP

- ✓ COFDM / QAM output modulation
- ✓ Resolution up to 1080p
- ✓ Active HDMI source indication
- ✓ LOOP HDMI IN / OUT
- ✓ Excellent MER modulation quality  $\geq 33$  dB
- ✓ Quick menu. Easy adjustment via channel and attenuation buttons
- ✓ Easy advanced programming by PC program, MD HD SOFT



EKSELANS BY ITS

QUICK  
MENU

HDMI  
LOOP

★ ★ ★  
MADE IN  
EUROPE  
★ ★ ★



MD HD EASY LOOP



CHD



HDM 90



HDM 90F



## TECHNICAL INFORMATION

| REFERENCE         |      | MD HD EASY LOOP                                                                                     |
|-------------------|------|-----------------------------------------------------------------------------------------------------|
| Code              |      | 122011                                                                                              |
| Inputs            |      | HDMI                                                                                                |
| Salida            |      | LOOP HDMI                                                                                           |
| VIDEO             |      |                                                                                                     |
| Video resolution  |      | 480p - 576p - 720p - 1080p                                                                          |
| Video compression |      | H.264                                                                                               |
| Video rate        | Kbps | 500-15000                                                                                           |
| AUDIO             |      |                                                                                                     |
| Audio compression |      | MPEG1-L2, AAC-LC                                                                                    |
| Audio rate        | Kbps | 128, 192, 256, 320, 384                                                                             |
| COFDM MODULATION  |      |                                                                                                     |
| DVB processing    |      | NIT, PID                                                                                            |
| DVB adjustments   |      | NID, ONID, Network ID, Network name, TS ID, Program ID, Program name, PMT PID, Video PID, Audio PID |
| Output frequency  | MHz  | 47 – 862 (using MD HD Soft)                                                                         |
| Output channel    | N.   | 5..12 – 21..69 (through display)                                                                    |
| Output level      | dBμV | >82                                                                                                 |
| Attenuation       | dB   | 0...15                                                                                              |
| MER               | dB   | ≥33                                                                                                 |
| Bandwith          | MHz  | 6, 7, 8                                                                                             |
| Constellation     |      | QPSK, 16QAM, 64QAM                                                                                  |
| Mode              |      | 2K, 8K                                                                                              |
| FEC               |      | 1/2, 2/3, 3/4, 5/6, 6/7                                                                             |
| Guard interval    |      | 1/4, 1/8, 1/16, 1/32                                                                                |
| LCN               |      | EACEM, ITC, NORDIG                                                                                  |
| RF loop           | dB   | -2                                                                                                  |
| QAM MODULATION    |      |                                                                                                     |
| DVB processing    |      | NIT, PID                                                                                            |
| DVB adjustments   |      | NID, ONID, Network ID, Network name, TS ID, Program ID, Program name, PMT PID, Video PID, Audio PID |
| Output frequency  | MHz  | 47 – 862 (using MD HD Soft)                                                                         |
| Output channel    | N.   | 5..12 – 21..69 (through display)                                                                    |
| Output level      | dBμV | >82                                                                                                 |
| Attenuation       | dB   | 0...15                                                                                              |
| MER               | dB   | >40                                                                                                 |
| Bandwith          | MHz  | 6, 7, 8                                                                                             |
| Constellation     |      | QAM 16, 32, 64, 128, 256                                                                            |
| LCN               |      | EACEM, ITC, NORDIG                                                                                  |
| RF loop           | dB   | -2                                                                                                  |
| Symbol rate       | kbps | Hasta 7000                                                                                          |
| GENERAL           |      |                                                                                                     |
| Mains voltage     | Vdc  | +5                                                                                                  |
| Power consumption | W    | <10                                                                                                 |
| Dimensions        | mm   | 150 x 99 x 34                                                                                       |
| Weigth            | g    | 215                                                                                                 |

## OPTIONAL ACCESSORIES

| REFERENCE | CODE   | DESCRIPTION                            |
|-----------|--------|----------------------------------------|
| CHD       | 125001 | HDMI / HDMI cable 1.5 m                |
| HDM 90    | 165009 | HDMI male-HDMI female 90° adaptor      |
| HDM 90F   | 165010 | HDMI male-HDMI female 90° flat adaptor |

- Specifications and design are subject to change without notice

- The product meets the requirements of the CE marking. The declaration of conformity is available on the website [www.ek.plus](http://www.ek.plus)