

# Mechanics & Electronics Inc. Hungary

## 2023

### COLOR LCD DISPLAY high performance Transverters

TECHNICAL DATA	ME2T-PRO3 2mTransverter 30W	ME2HT-PRO3 2mTransverter 50W	ME2-XP 2m dual RX 30W EME Tvtr	ME2-XP 2m dual RX 50W EME Tvtr.	ME4T-PRO3 4m Transverter
Frequency IF (MHz)	28-30(14-16)	28-30(14-16)	28-30(14-16)	28-30(14-16)	27.9-30
Frequency out (MHz)	144-146	144-146	144-146	144-146	69.9-72
Power in IF dBm	-20...+37	-20...+37	-20...+37	-20...+37	-20...+37
RF Power out (W)	30	50	30	50	30
I/O VSWR	<1.2	<1.2	<1.2	<1.2	<1.2
Power req. (V/A)	13.8/6A	13.8/12A	13.8/6A	13.8/12A	13.8/6A
Dimensions (mm)	240X250X90	240x270x90	240X250X90	240X270X90	240X250X90
Weight (kg)	~2.1	~2.3	~2.3	~2.5	~2.3
Price (Euro)	<b>820</b>	<b>890</b>	<b>870</b>	<b>900</b>	<b>800</b>

Every type furnished with <0.5ppm high stability low side noise AXTAL TCXO!  
 On 50W versions the cooling fan unit is standard!  
 MC-1 IF combiner option is available to every types, cost 35 Euro, built in,  
 or separate case versions.

### High performance Tranverters, (LED bar-graph)

TECHNICAL DATA	ME2T-PRO2 2m Transverter	ME2HT-PRO2 2m Transverter	ME4T-PRO 4m Transverter	ME6T-PRO 6m Transverter	ME2-RX dual EME RX converter
Frequency IF (MHz)	28-30(14-16)	28-30(14-16)	27.9-30	28-30	28-30 or 14-16
Frequency out (MHz)	144-146	144-146	69.9-72	50-52	-
Power in IF dBm	-20...+37	-20...+37	-20...+37	-20...+37	-
RF Power out (W)	30	50	30	30	-
I/O VSWR	<1.2	<1.2	<1.2	<1.2	<1.2
Power req. (V/A)	13.8/6	13.8/12	13.8/6	13.8/6	13.8V/0.5A
Dimensions (mm)	240X210X70	240x230x70	240X210X70	240X210X70	170X85X30
Weight (kg)	~2.2	~2.3	~2.2	~2.2	0,2
Price (Euro)	<b>720*</b>	<b>770</b>	<b>700*</b>	<b>N/A*</b>	<b>320</b>

\* Options: fan unit + 30 Euro,  
 On 50W versions the cooling fan unit is standard!

### **MIDDLE POWER LDMOS AMPLIFIERS:**

TECHNICAL DATA	ME300-6m	ME300-4m	ME300-2m
Frequency (MHz)	50-52	70-70.5	144-148
Power in (W)	0-10	0-10	0-10
RF Power out (W)	300	300	300
I/O VSWR max.	1:1.2	1:1.2	1:1.2
DC PS ext.	28V/20A	28V/20A	28V/20A
Dimensions (mm)□	400x220x160	400x220x160	400x220x160
Weight (kg)	~5.5kg	~5.5kg	~5.5kg
Price (Euro)	<b>850</b>	<b>850</b>	<b>850</b>

External PS, SWR,overdrive-max power and TEMP protection!

### **HIGH DINAMICS LOW NOISE PREAMPLIFIERS:**

TECHNICAL DATA	SCP2	SCP2P
Frequency range:	144-148MHz	144-148MHz
Noise figure @ 20°C NF:	< 0.8 dB	< 0.8dB
Gain S21, typ.:	22 (var. 17-22 dB)	21 ( var. 16-21dB)
Input return loss	>20dB	>20 dB
Output return loss	>20 dB	>20 dB
OIP3:	➤ +32dBm	➤ +31dBm
IIP3:	typ. +11dBm	typ. +10dBm
Devices:	2x ALN0140WT	2x PGA103+
Max. Input level:	22dBm	20dBm
Operating voltage:	+12...+15V	+12...+15V
Power consumption:	140mA	190mA
Dimensions:	114x58x32mm	114x58x32mm
Weight:	120g	120g
RF connectors:	2x N,BNC or SMA female	2X N,BNC or SMA female
Price ( Euro)	150	140

### **REMOTE CW KEYS**

TECHNICAL DATA	MR01C	MR01S
Function:	Client	Server
Built in keyer:	Yes	No
PC connection	USB	USB
Conn. I/O:	Elkey,M.key,PTT,Audio i/o,DC	KEY,PTTout,DC in
Dimension:	70x100x30mm	70x100x30mm
Power consumption:	Ext, 12V/40mA	Ext, 12V/40mA
Weight:	20dKg	20dkg
Price(Euro):	90	90

**Prices from: 2023.01.09 without shipping. Shipping by FEDEX Economy Express (in 3-5days) 45 Euro, or FEDEX Express (55 Euro) "next day" delivery (inside Eu).**

**We can repair in 48 hours, the min. service fee is 35 Euro.**

**INFORMATION, ORDER:**

***Mechanics & Electronics Inc. Hungary***

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