



EEG accessories MCScap

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About us

Since 1993 year Medical Computer Systems Ltd. is specialized in the design and manufacture of high-tech medical devices. Projects include a wide spectrum of diagnostic and therapeutic equipment: EEG amplifiers for clinic and research, including multi-channel and MR-compatible EEG amplifiers, wireless EEG recorders, active and passive EEG electrodes, ECG PC amplifiers, automatic external defibrillators, biomedical amplifiers for clinics and researches.



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Partners of Medical Computer Systems (MCS) are leaders of EEG equipment for scientific research world market. MCS supports the international quality system ISO 9001, ISO 13485 and manufactures many products with CE mark.



Contract development

MCS provides a complete engineering solution for companies in the medical device arena. MCS can provide outsourcing product development by efficient, innovative and cost-effective team.



Advantage of EEG accessories MCScap

Medical Computer Systems Ltd. offers a wide range of EEG recording caps that are suitable for variety of different areas of application. Select the cap that best suits your purposes.



EEG recording caps MCScap

Ready solutions for EEG recording examinations.

Main advantages:

- quality of EEG signal acquisition
- easy and fast installation
- comfortable for patient
- long service life

CLINIC, SLEEP, PROFESSIONAL - the cap with preinstalled electrodes and common connector Dsub or other connector by order.

ELECTRODE SET – the set of caps and electrodes with individual connectors TouchProofs.

EEG electrodes MCScap

MCScap electrodes are based on high-quality Ag/AgCl sensors.

Ag/AgCl electrode is recognized worldwide as:

- a high quality signal
- a stable electrical contact
- a low noise reference electrode
- a minimum electrode polarization
- an excellent low frequency response

You can buy EEG accessories MCScap in the official online shop www.mcscap.com



Warranty – 6 months



MCScap CLINIC

The best price/quality ratio



Area of application:

- routine EEG



- **Ag/AgCl electrode**
- tight-fitting
- no gel flow out
- patient comfort
- a hole for the gel
- possibility of using a tampon with fiz. solution instead of EEG gel

Connector DB-25M



Article	Name	Number of electrodes	Size
003-1-001	CLINIC XL	21	 60-66 cm
003-1-002	CLINIC XL/L	21	 57-63 cm
003-1-003	CLINIC L	21	 54-60 cm
003-1-004	CLINIC L/M	21	 51-57 cm
003-1-005	CLINIC M	21	 48-54 cm
003-1-006	CLINIC M/S	21	 45-51 cm
003-1-007	CLINIC S	21	 42-48 cm
003-1-008	CLINIC S/XS	21	 39-45 cm
003-1-010	CLINIC 10-20, custom	MCScap-C/TC electrode Ag/AgCl - up to 25 pcs., configuration of electrode positions, type of connector, pin layout and size by order	

Set include: EEG recording cap CLINIC, EEG starter kit (EEG gel, syringe with blunted needle, brushes for electrodes cleaning), User manual.

MCScap SLEEP



MCScap SLEEP

Area of application:

- routine EEG
- sleep EEG
- high resolution EEG
- TMS-EEG

Exit of electrode cable at the top of the head for studies that requires increased comfort for patients in lying position during sleep or newborn studies.



MCScap-T

- **Ag /AgCl sintered electrode**
- increased life of electrode
- **thin electrode**
- max. comfort of the patient in the position of lying
- a hole for the gel

Connector DB-25M



Article	Name	Number of electrodes	Size
003-2-001	SLEEP XL	21	60-66 cm
003-2-002	SLEEP XL/L	21	57-63 cm
003-2-003	SLEEP L	21	54-60 cm
003-2-004	SLEEP L/M	21	51-57 cm
003-2-005	SLEEP M	21	48-54 cm
003-2-006	SLEEP M/S	21	45-51 cm
003-2-007	SLEEP S	21	42-48 cm
003-2-008	SLEEP S/XS	21	39-45 cm
003-2-009	SLEEP XS	21	36-42 cm
003-2-010	SLEEP Inf I	21	32-36 cm
003-2-011	SLEEP Inf II	21	28-32 cm
003-2-012	SLEEP Inf III	21	24-28 cm
003-2-017	SLEEP 10-20, custom	MCScap-T electrode Ag/AgCl sintered - up to 25 pcs., configuration of electrode positions, type of connector, pin layout and size by order	
003-2-018	SLEEP 10-10, custom	MCScap-T electrode Ag/AgCl sintered - up to 74 pcs., configuration of electrode positions, type of connector, pin layout and size by order	

Set include: EEG recording cap SLEEP, add. electrode fixator (elastic bandage), EEG starter kit (EEG gel, syringe with blunted needle, brushes for electrodes cleaning), User manual.

MCScap PROFESSIONAL



MCScap PROFESSIONAL



Area of application:

- scientific research EEG
- high resolution EEG*
- MR-compatible EEG**



MCScap-NTC

- Ag/AgCl sintered electrode
- the largest area of the sensor
- increased life of electrode
- tight-fitting
- no gel flow out
- patient comfort
- a hole for the gel

Connector DB-25M



Article	Name	Number of electrodes	Size
003-3-001	PROFESSIONAL XL	21	60-66 cm
003-3-002	PROFESSIONAL XL/L	21	57-63 cm
003-3-003	PROFESSIONAL L	21	54-60 cm
003-3-004	PROFESSIONAL L/M	21	51-57 cm
003-3-005	PROFESSIONAL M	21	48-54 cm
003-3-006	PROFESSIONAL M/S	21	45-51 cm
003-3-007	PROFESSIONAL S	21	42-48 cm
003-3-009	PROFESSIONAL 10-20	MCScap-NTC/NTH/NT electrode Ag/AgCl sintered - up to 25 pcs., configuration of electrode positions, type of connector, pin layout and size by order	
003-3-011	PROFESSIONAL 10-10	MCScap- NTC/NTH/NT electrode Ag/AgCl sintered - up to 74 pcs., configuration of electrode positions, type of connector, pin layout and size by order	
003-3-012	PROFESSIONAL 10-5	MCScap- NTC/NTH/NT electrode Ag/AgCl sintered - up to 128 pcs., configuration of electrode positions, type of connector, pin layout and size by order	

Available by order:

*High-resolution EEG recording cap

**MR-compatible cap (not magnetic edition, with distributed resistance)

Set include: EEG recording cap PROFESSIONAL, EEG starter kit (EEG gel, syringe with blunted needle, brushes for electrodes cleaning), spare electrode, storage bag, User manual.



MScap ELECTRODE SET

ELECTRODE SET

Universal kit
with removable electrodes



Area of application:

- routine EEG
- scientific research EEG



MCScap-E

- **Ag/AgCl sintered electrode**
- increased life of electrode
- the ability to quick installation and reconfiguration
- easy replacement of broken electrode
- a hole for the gel
- labels for electrodes marking

Connector TouchProof

1,5 mm

Article	Name	Description
003-4-001	ELECTRODE SET 10-20 classic	MCScap-E electrode Ag/AgCl sintered - 26 pcs., connector TouchProof 1.5 mm, textile cap 10-20 with fixing rings any size - 2 pcs.
003-4-004	ELECTRODE SET 10-20, custom	any MCScap electrode type - up to 26 pcs., connector TouchProof 1.5 mm, textile cap 10-20 with fixing rings any size - 2 pcs.
003-4-006	ELECTRODE SET 10-10, custom	any MCScap electrode type - up to 74 pcs., connector TouchProof 1.5 mm, textile cap 10-10 with fixing rings any size - 2 pcs.

Head COVER

Protective fixator for electrode caps MCScap

A hole for electrode cable with an exit at the top of the head



Reusable textile cap made of elastic mesh material with a hole at the top of the head and double sided velcro for chin or chest belt.

- Additional fixation of electrode cap
- Ensuring better fit of the electrodes
- Protection of wires with electrodes from external factors

It is recommended to use MCScap Cover size in size with MCScap textile caps.

For MCScap textile caps with fixing rings it is recommended to use a cap on the half size larger.

Article	Name	Size
003-0-272	MCScap cover XL	60-66 cm
003-0-273	MCScap cover XL/L	57-63 cm
003-0-274	MCScap cover L	54-60 cm
003-0-275	MCScap cover L/M	51-57 cm
003-0-276	MCScap cover M	48-54 cm
003-0-277	MCScap cover M/S	45-51 cm
003-0-278	MCScap cover S	42-48 cm
003-0-279	MCScap cover S/XS	39-45 cm
003-0-280	MCScap cover XS	36-42 cm

MCScap TETOS

Elastic textile belt with electrodes for transcranial electrostimulation electrodes (TDCs, TACs) and EEG registration.



electrode for tES/EEG

Article	Name	Description
005-0-070	TETOS-7 tES/EEG-L	Textile belt with 7 Ag/AgCl electrodes for tES/EEG. Adult size.
005-0-071	TETOS-7 tES/EEG-S	Textile belt with 7 Ag/AgCl electrodes for tES/EEG. Children size.
005-0-072	10 tES/EEG-L	10 pcs. Ag/AgCl electrodes for tES/EEG. Contact area 25 x 40 mm.
005-0-073	10 tES/EEG-S	10 pcs. Ag/AgCl electrodes for tES/EEG. Contact area 16 x 21 mm.
005-0-074	TETOS-L	Textile belt for electrodes tES/EEG-L. Adult size.
005-0-075	TETOS-S	Textile belt for electrodes tES/EEG-S. Children size.
081-0-120	Standart cable SNAP	Cable with connectors type Touchproof 1.5 mm and Snap 4 mm, length 1 m .

EEG electrodes and accessories

Reusable passive electrodes are based on high-quality Ag/AgCl and Ag/AgCl sintered sensors which guarantee minimal polarization and long-term stability.

All MCScap electrodes can be integrated into textile cap MCScap. Electrodes can have TouchProof connectors or can be preinstalled in the Electrode cap with common connector. All electrodes have special holes for conductive gel.

Type of sensors:



MCScap-E



Sensor: Ag/AgCl sintered

Form: point electrode

Advantages:

- Quick install/extract for cleaning and disinfection.
- Easy pretreat the patient's skin by abrasive paste.

Application area: routine EEG, scientific research.

Intended for textile cap MCScap with fixing rings only.

MCScap-T



Sensor: Ag/AgCl sintered

Form: thin cup electrode

Advantages:

- Increased comfort for patients in lying position during sleep.
- The most safety for newborn studies.
- The most preferable for combined TMS-EEG studies.
- Possible to use with conductive paste.

Application area: routine EEG, sleep EEG, scientific research EEG, HD EEG, TMS-EEG.

MCScap-C



Sensor: Ag/AgCl

Form: cup electrode with wide skirt

Advantages:

- Provides comfort for patients throughout the study.
- A tight-fitting to the patient's head.
- Prevents the flowing gel out from the electrode body.
- Possible to use a tampon with fiz. solution instead of EEG gel.

Application area: routine EEG.

MCScap-TC



Sensor: Ag/AgCl

Form: cup electrode

Advantages:

- Increased comfort for patients during long monitoring.
- Possible to use with conductive paste.

Application area: routine EEG.

MCScap-NTC



Sensor: Ag/AgCl sintered

Form: point electrode

Advantages:

- Provides comfort for patients throughout the study.
- A tight-fitting to the patient's head.
- Prevents the flowing gel out from the electrode body.
- The largest contact area of Ag/AgCl sintered sensor
- Increased life of electrode.

Application area: routine EEG, scientific research.

MCScap-NT



Sensor: Ag/AgCl sintered

Form: cup electrode

Advantages:

- Increased comfort for patients during long monitoring.
- The largest contact area of Ag/AgCl sintered sensor
- Increased life of electrode.
- Possible to use with conductive paste.

Application area: routine EEG, scientific research EEG, HD EEG, MR compatible EEG*.

MCScap-NTH



Sensor: Ag/AgCl sintered

Form: high cup electrode

Advantages:

- Provides a denser contact with patient's skin in conditions of thick hair.
- Easy installation and removing the electrode from textile cap.
- The largest contact area of Ag/AgCl sintered sensor.
- Increased life of electrode.

Application area: routine EEG, scientific research EEG, HD EEG, MR compatible EEG*.

**MR-compatible electrodes are available by order*

MCScap-CS22



Sensor: Ag/AgCl

Form: big cup electrode with a diameter - 22 mm and an area - 3.8 cm²

Advantages:

- Suitable for transcranial electrostimulation (tDCs / tACs) and EEG.
- Compatible with textile caps MCScap.
- Possible to use with conductive gel or disk sponges with fiz. solution.

Application area: tDCs / tACs, routine EEG, scientific research EEG.

Disk sponges



TouchProof 1.5 mm



Article	Name	Material	Connector	Cable length
003-0-101	MCScap-E electrode	Ag/AgCl sintered	TouchProof 1.5 mm	1.2 m
003-0-102	MCScap-T electrode	Ag/AgCl sintered	TouchProof 1.5 mm	1.2 m
003-0-106	MCScap-C electrode	Ag/AgCl	TouchProof 1.5 mm	1.2 m
003-0-115	MCScap-TC electrode	Ag/AgCl	TouchProof 1.5 mm	1.2 m
003-0-103	MCScap-NT electrode	Ag/AgCl sintered	TouchProof 1.5 mm	1.2 m
003-0-104	MCScap-NTC electrode	Ag/AgCl sintered	TouchProof 1.5 mm	1.2 m
003-0-105	MCScap-NTH electrode	Ag/AgCl sintered	TouchProof 1.5 mm	1.2 m
003-0-107	MCScap-CS22 electrode	Ag/AgCl	TouchProof 1.5 mm	1.2 m

Ear electrodes ELECTRODE

ELECTRODE SET



Ear electrodes

PROFESSIONAL



Ear electrodes ELECTRODE

SLEEP



Ear electrodes

CLINIC



Ear fixator

MCScap-A



Ear fixator

MCScap-AT



Fixator

MCScap-RT-30



Article	Name	Description
003-0-108	Ear electrodes ELECTRODE SET	- 2 electrodes MCScap-E - 2 ear fixators MCScap-A
003-0-109	Ear electrodes SLEEP	- 2 electrodes MCScap-T - 2 ear fixators MCScap-AT
003-0-110	Ear electrodes PROFESSIONAL	- 2 electrodes MCScap-NT - 2 ear fixators MCScap-AT
003-0-111	Ear electrodes CLINIC	- 2 electrodes MCScap-TC - 2 ear fixators MCScap-AT
003-0-112	MCScap-A ear fixator	ear fixator for electrode MCScap-E
003-0-113	MCScap-AT ear fixator	ear fixator for electrode MCScap-T/NT/TC
003-0-114	MCScap-RT-30 fixator	1 textile ring & 5 disposable glue rings



Textile cap for EEG electrodes

Textile cap for EEG electrodes

Textile cap MCScap is made of elastic material that provides the most comfortable fit of the electrodes and the right positions without additional adjustment. Numerous big holes are intended for the opportunity to push the hair and prepare the skin for examination, and also for better ventilation.

MCScap 10-10 color



Printed color textile cap, system 10-10
for electrodes MCScap-C/TC/T/NT/NTC/NTH/CS22

Article	Name	Description
003-0-213	MCScap 10-10 colour XL	60-66 cm
003-0-214	MCScap 10-10 colour XL/L	57-63 cm
003-0-215	MCScap 10-10 colour L	54-60 cm
003-0-216	MCScap 10-10 colour L/M	51-57 cm
003-0-217	MCScap 10-10 colour M	48-54 cm
003-0-218	MCScap 10-10 colour M/S	45-51 cm
003-0-219	MCScap 10-10 colour S	42-48 cm
003-0-220	MCScap 10-10 colour S/XS	39-45 cm
003-0-221	MCScap 10-10 colour XS	36-42 cm
003-0-222	MCScap 10-10 colour Inf I	32-36 cm
003-0-223	MCScap 10-10 colour Inf II	28-32 cm
003-0-224	MCScap 10-10 colour Inf III	24-28 cm

MCScap 10-10 black



Printed black textile cap, system 10-10
for electrodes MCScap-C/TC/T/NT/NTC/NTH/CS22

Article	Name	Description
003-0-234	MCScap 10-10 XL	60-66 cm
003-0-235	MCScap 10-10 XL/L	57-63 cm
003-0-236	MCScap 10-10 L	54-60 cm
003-0-237	MCScap 10-10 L/M	51-57 cm
003-0-238	MCScap 10-10 M	48-54 cm
033-0-239	MCScap 10-10 M/S	45-51 cm
003-0-240	MCScap 10-10 S	42-48 cm
003-0-241	MCScap 10-10 black S/XS	39-45 cm
003-0-242	MCScap 10-10 black XS	36-42 cm

MCScap 10-5

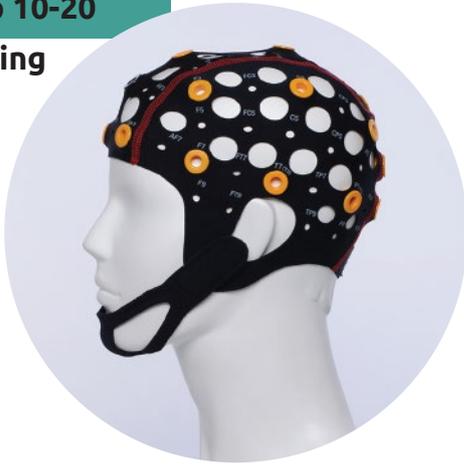


Printed textile cap, system 10-5
for electrodes MCScap-C/TC/T/NT/NTC/NTH/CS22

Article	Name	Description
003-0-264	MCScap 10-5 L	54-60 cm
003-0-265	MCScap 10-5 L/M	51-57 cm

MCScap 10-20

with fixing rings



Printed textile cap with fixing rings for electrodes MCScap-E, system 10-20

Article	Name	Description
003-0-225	MCScap 10-20 with fixing rings, XL	60-66 cm
003-0-226	MCScap 10-20 with fixing rings, XL/L	57-63 cm
003-0-227	MCScap 10-20 with fixing rings, L	54-60 cm
003-0-228	MCScap 10-20 with fixing rings, L/M	51-57 cm
003-0-229	MCScap 10-20 with fixing rings, M	48-54 cm
003-0-230	MCScap 10-20 with fixing rings, M/S	45-51 cm
003-0-231	MCScap 10-20 with fixing rings, S	42-48 cm
003-0-232	MCScap 10-20 with fixing rings, S/XS	39-45 cm
003-0-233	MCScap 10-20 with fixing rings, XS	36-42 cm

MCScap 10-10

with fixing rings



Printed textile cap with fixing rings for electrodes MCScap-E, system 10-10

Article	Name	Description
003-0-255	MCScap 10-10 with fixing rings, XL	60-66 cm
003-0-256	MCScap 10-10 with fixing rings, XL/L	57-63 cm
003-0-257	MCScap 10-10 with fixing rings, L	54-60 cm
003-0-258	MCScap 10-10 with fixing rings, L/M	51-57 cm
003-0-259	MCScap 10-10 with fixing rings, M	48-54 cm
003-0-260	MCScap 10-10 with fixing rings, M/S	45-51 cm
003-0-261	MCScap 10-10 with fixing rings, S	42-48 cm

Comfortable chin belt or chest belt for the cap fixing.

MCScap chest belt

Article	Name
003-0-266	Chest belt, adult
003-0-267	Chest belt, children
003-0-268	Chest belt, Infant
003-0-269	Chin belt, adult
003-0-270	Chin belt, children
003-0-271	Chin belt, Infant



MCScap chin belt



Textile cap

MCScap light 10-10



Printed textile cap, system 10-10 for electrodes MCScap-C/TC/T/NT/NTC/NTH/CS22

Article	Name	Description
003-0-286	MCScap light L	54-60 cm
003-0-288	MCScap light M	48-54 cm

Textile cap is fixed on the head with a rubber band without additional accessories.

New!

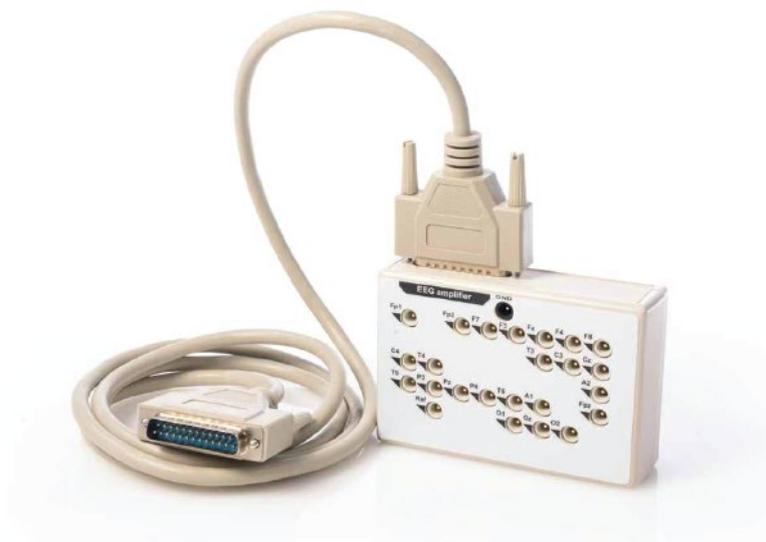
Adapters

Adapters for connecting of electrodes with TP connector to the amplifier via common connector and adapters for connecting of electrode caps with common connector to the amplifier via TP connector.

NVX2cap adapter



NVX2cap-24 adapter



TP2DB25 adapter



TP2DB25F adapter



Article	Name	Description
003-6-001	NVX2cap adapter	adapter for connecting up to 49 EEG electrodes with connectors TP 1.5 mm to EEG amplifier via common connector DB25/Kel50, cable 1,8 m
003-6-002	NVX2cap-24 adapter	adapter for connecting up to 25 EEG electrodes with connectors TP 1.5 mm to EEG amplifier via common connector DB25, cable 1,8 m
003-6-003	TP2DB25 adapter	adapter for connecting up to 25 EEG electrodes with connectors TP 1.5 mm to EEG amplifier via common connector DB25, cable 0,2 m
003-6-004	TP2DB25F adapter	adapter for connecting of the cap with common connector DB25 to EEG amplifier via connectors TP 1.5 mm, cable 0,3 m

Any other type of adapter or extension lead is available by order.

Spare parts and accessories



Fixing ring



Labels for fixing rings



Labels for electrodes



Measuring tapes MCScap



Repair kit



Head mannequin

Article	Name	Description
003-0-301	Fixing ring	Used for mounting electrodes MCScap-E into the cap
003-0-302	Labels for fixing rings 10-20	Set of labels - 26 pcs.
003-0-303	Labels for fixing rings 10-10	Set of labels - 74 pcs.
003-0-304	Labels for electrodes 10-20	Set of stickers - 26 pcs.
003-0-305	Labels for electrodes 10-10	Set of stickers - 74 pcs.
003-0-306	Measuring tape MCScap	Special tape for measuring of head size
003-0-307	Measuring tape standard	Standard tape for measuring of head size
003-0-317	Repair kit for CLINIC	Extractor tool; MCScap-C electrode with crimped end, 1,9 m (2 pcs.); cable ties for electrodes; Instruction.
003-0-318	Repair kit for SLEEP	Extractor tool; MCScap-T electrode with crimped end, 1,9 m (2 pcs.); cable ties for electrodes; Instruction.
003-0-319	Repair kit for PROFESSIONAL	Extractor tool; MCScap-NTC electrode with crimped end, 1,9 m (2 pcs.); cable ties for electrodes; Instruction.
003-7-008	head mannequin male MH-01	mat white, with bust
003-7-009	head mannequin female FH-01	mat white, with bust
003-7-010	head mannequin male MNT-01	mat white, without bust
003-7-011	head mannequin female FHT-01	mat white, without bust

Gel, pasta and accessories



EEG starter kit



Unimax



Uniscrab



Adhesive tape



Reusable needles



Unipasta



Brush



Syringe



Bag

Article	Name	Description
003-7-001	EEG starter kit	EEG gel, syringe with blunted needle, 2 brushes for electrodes cleaning
003-7-003	EEG gel Unimax	Electrode contact gel with high electrical conductivity, 250 gr
003-7-004	EEG pasta Unipasta	Electrode contact paste, highly conductive, adhesive, 120 gr
003-7-015	EEG abrasive gel Uniscrab	Electrode abrasive gel for pretreatment of skin during EEG studies
	Adhesive tape	Adhesive tape for fixation of electrodes at the skin
003-0-308	Syringe	20 ml
003-0-310	Reusable needle	Reusable blunted needle, 2.0 x 17 mm
003-0-311	Reusable needle Inf	Reusable blunted needle, 2.0 x 3 mm, for Infants
003-0-314	Brush	Brush for electrodes cleaning
003-0-315	Bag	Bag for storage



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Internet: www.mks.ru

Internet shop: www.mcscap.com