



Centre of Laser Technology
LASERINSTRUMENTS Ltd.

LASERS AND ACCESSORIES

for physical medicine and rehabilitation

CEPT > PROTOTYPE > TEST > DOCUMENTATION > VERIFICATION > CERTIFICATION > PRODUCTION > IDEA

CTL - Innovative Laser Technology for: medicine, industry and science since 1991 !

Company Profile

Dear Sirs,

CTL–Centre of Laser Technology LASERINSTRUMENTS Ltd. is the leading private Polish company specialising in the field of laser technology. The firm started its activity in October 1991 in Warsaw. The main field of company's activity is research, construction and production of lasers, laser modules, laser and opto-electronic systems for medicine, material processing, measurement technology, education, research and safety.

Our company specialises in execution of orders according to individual customers requirements. the company conducts also the training courses for: doctors, physiotherapists, engineers, physicists, etc.

We focus on research, development and production of OEM modules, subassemblies and accessories for CO₂, YAG and Diode lasers. The CTL's range of products includes 30 own 2 construction of laser devices and technologies for two leading directions of its activity i.e. medicine and industrial technologies. A few CTL's medical lasers already obtained the CE conformance marks with the directives of European Union and next lasers are under the adequate research and compatibility procedures. As a complement to its own offer CTL actively promotes and distributes laser and optoelectronic components and systems of renowned foreign companies on local markets.

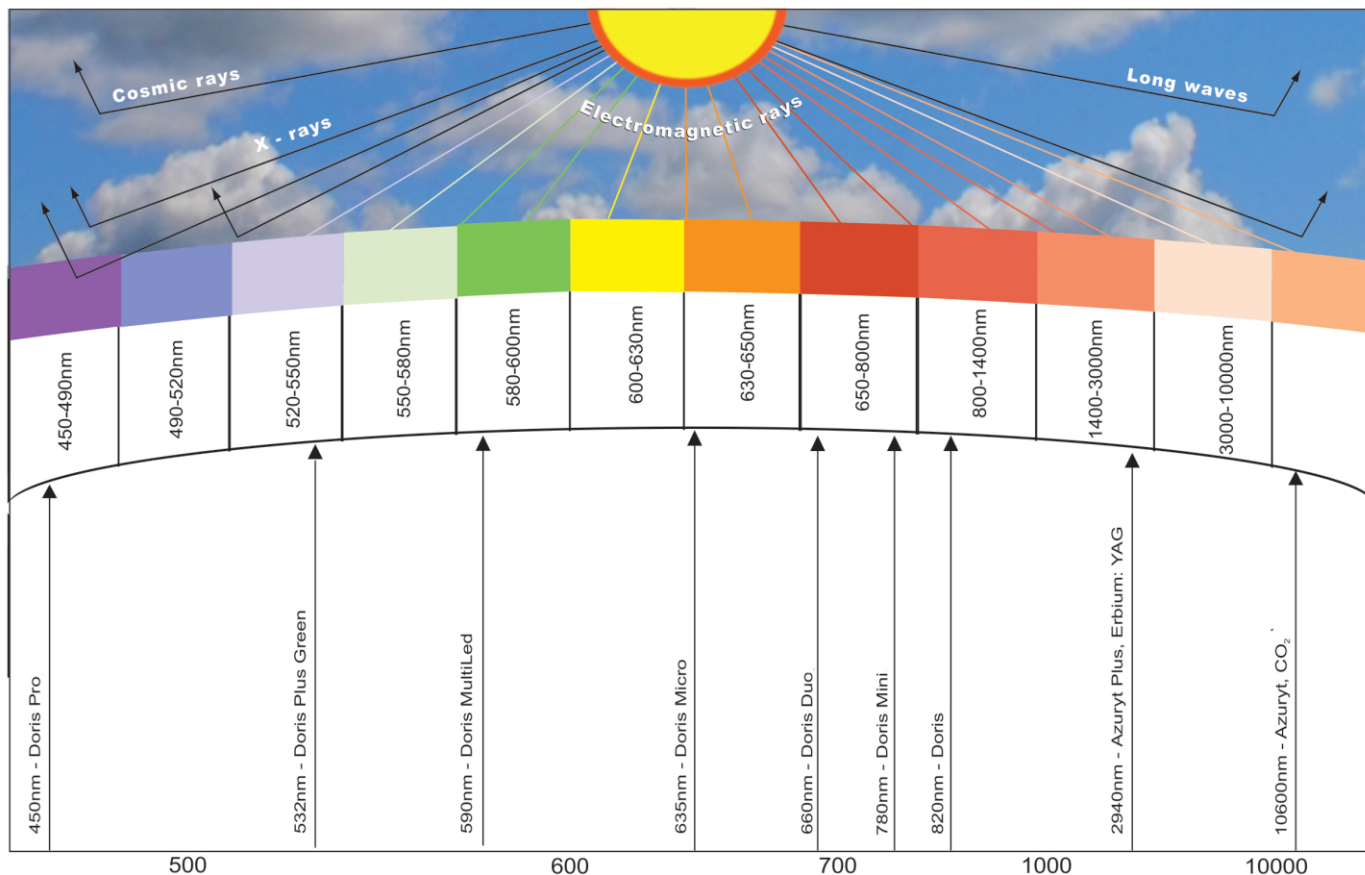
Our company is absolutely committed to superior product quality and continuous improvement when developing our projects. Our personnel constantly improve their qualifications, among others through participation in specialist conferences, branch exhibitions, etc. Our devices are produced in compliance with International Standards for production and safety e.g. according to IEC-825, IEC-601, etc. Our company quality management has been confirmed with ISO 9001 certificate. We have our own R&D Department as well as 1500m² of class A production and testing place.

CTL cooperates with many research, service and production institutions here and abroad. In solving difficult, innovative design and research projects employs leading specialists from Poland or abroad. CTL enjoys esteem within customers and business partners, which has been proven by many awards and distinctions granted to CTL among others twice GRAND PRIX of the prestigious fairs. CTL company became also the Leader of Enterprise in 1999.

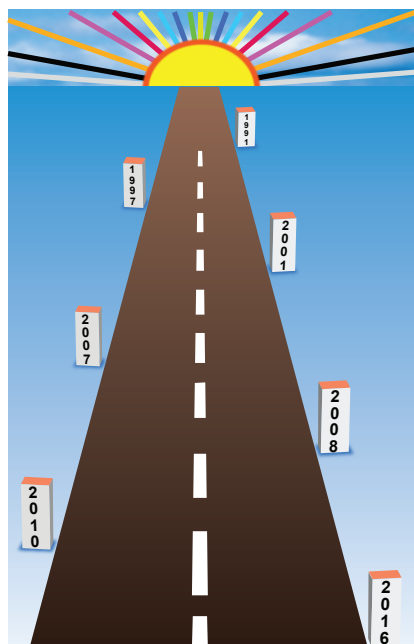
The President of the company Ludwik Pokora (technical physicist, Ph. D., Prof.) is a known authority in laser and optoelectronic technology. He is the author of over 300 publications, 25 patents and two books on applications of lasers. Ludwik Pokora is the member of local and international scientific-technical societies and committees, among others: International Society for Photo-Optical Instrumentation Engineering (SPIE), IEEE Laser Association (EMLA). He is the expert in the EU committee for evaluation of research projects on laser technology and optoelectronics. He was also the Head of Department in High Medical School.

CTL Team
CTL - Centre of Laser Technology
- LASERINSTRUMENTS Ltd.

THE WAVELENGTH OF CTL'S LASER COMPARE TO WAVELENGTH REFLECTED BY THE SUN



THE MILESTONES IN DEVELOPMENT OF CTL'S LASERS SINCE 1991



**TOGETHER TO
SUCCESS !**



1. Diode Therapy Laser, one probe

- 1.1. CTL 1106MX - Doris Laser - 78 lub 82,
780nm - 600mW lub 820nm - 600mW.....06/07



2. Diode Therapy Laser, two probe

- 2.1. CTL 1106MX - Doris Duo 78/82,
780nm - 600mW and 820nm - 600mW.....08/09
2.2. CTL 1106MX - Doris Duo 78/66,
780nm - 300mW and 660nm - 300mW (9x40 mW).....10/11



2. Diode Therapy Laser - High voltage (HTPL)

- 2.1. CTL 1105MX - Doris Pro - 81/1.5W or 81/3W or 81/6W,
810nm - 1.5W or 3W or 6W.....12/13
2.2. CTL 1105MX - Doris Pro Duo - 81/63,
810nm - 5000mW + 635nm - 150mW.....14/15
2.3. CTL 1551MX - Doris Pro Trio - 81/78/63,
810nm - 3000mW + 780nm - 1W + 635nm - 150mW.....16/17



3.Laser Therapeutic Scanner

- 3.1. CTL 1551TS - Odys Trio - 65/78/81,
653nm - 150mW + 780nm - 1W + 810nm - 3W.....18/19





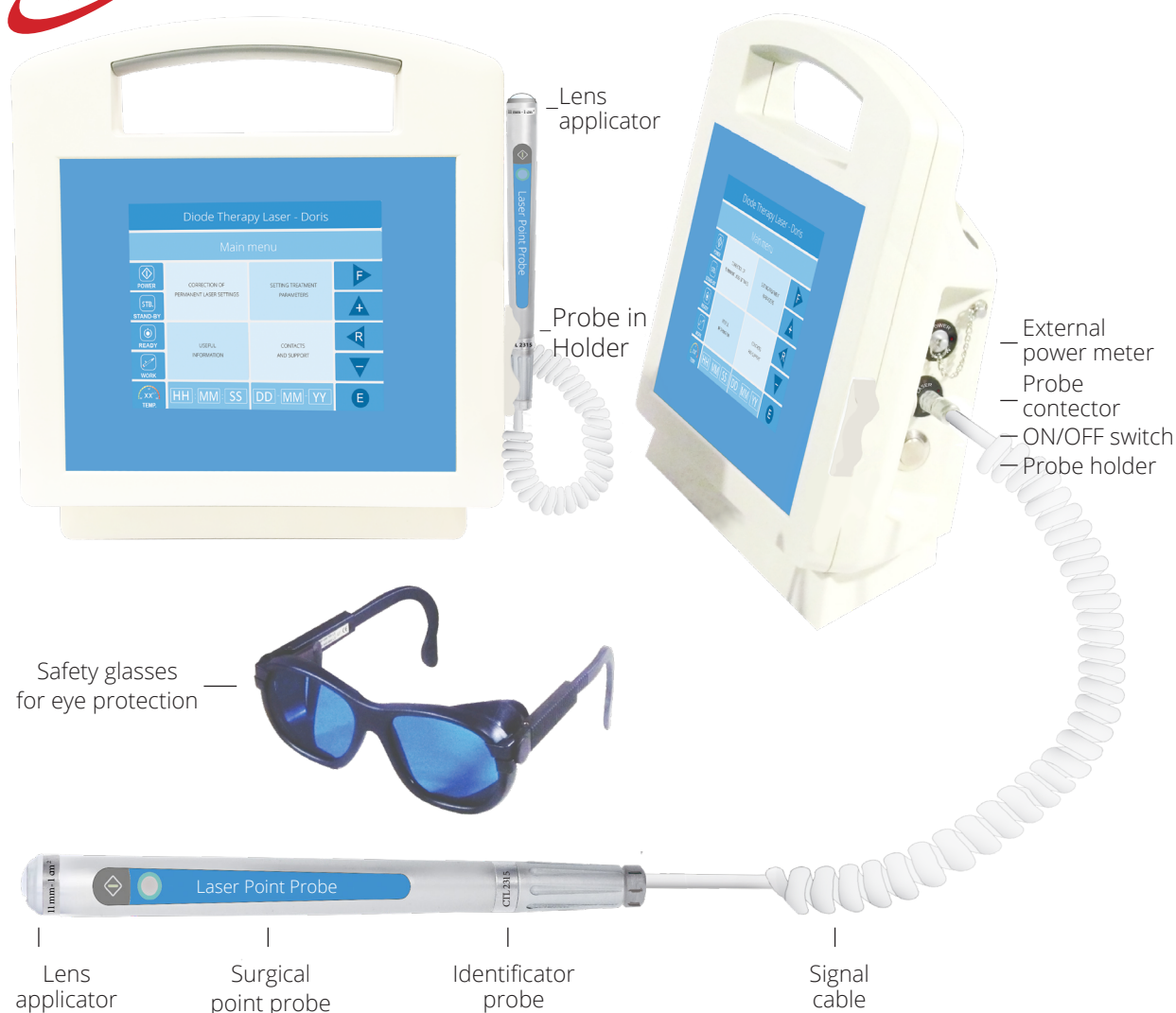
Diode Therapy Laser

CTL 1106MX - Doris **PHY**

780nm - 600mW or 820nm - 600mW



NEW!



ISO 9001 • **CE** • ISO 13485

REF: CTL 1106MX-0780-.600.22b.TT.PHY

VER: A1.4-16.PS-POL.22b.PHY

Basic functional advantage:

- Therapy without medication
- Painless treatments
- Quick treatment effects
- High efficiency and effectiveness
- Wide range of applications
- Stable parameters
- Portable and easy to operate
- High patient and doctor comfort
- Colour touch screen
- Switching on the laser by proximity card with PIN code
- Switching on the laser by button on keyboard
- Easy to use, intuitive interface
- The highest quality and reliability
- Attractive design, modern styling
- Durable and reliable - 2 years warranty !
- Fair price for properties !

Doris Laser - 78 or 82

Examples of applications in physiotherapy and rehabilitation

Degeneration of joints

- Rheumatic Disease, Scheuermann's Disease
- Osteoarthritis of the hip, knee joint, shoulder joint
- Osteoarthritis of the hands, feet joints, sacroiliac joints
- Degenerative and degenerative changes in the joints of the spine

Pain syndromes, neuralgia

- Pain in the lumbar spine, thoracic spine, cervical spine
- Ankle pain
- Phantom, muscular, lumbar spine pains
- Postamputation pain, metatarsus, generalized
- Pain and degeneration of the hip and knee joints
- Morton disease, Guyon's isthmus syndrome
- Sciatic nerve neuralgia (sciatica)
- Intercostal neuralgia, trigeminal nerve
- Brachial plexus neuralgia
- Morton's disease, Osgood-Schlatter disease (Syndrome)
- Parkinson's, Perthes, Raynaud's, Reiter's disease
- Diabetes, diabetic foot syndrome,
- Partial rupture of the ligaments of the joint
- Carpal tunnel syndrome, carpal tunnel syndrome
- Carpal tunnel syndrome, painful elbow
- Painful shoulder syndrome
- Supraspinatus muscle syndrome
- Intercostal neuralgia

Inflammation, injuries

- Calcaneal spur
- Plantar fasciitis
- Achilles tendon sheath inflammation
- Medial epicondyle of the humerus
- Inflammation of the synovial bursa, shoulder bursa
- Periarticular brachial-inflammatory inflammation
- Inflammation of the roots and plexuses, muscles
- Inflammation of the nerves, periarticular, joint
- Hip synovial bursitis
- Inflammation of the synovial bursa, trochanteric bursitis (great / small gluteus muscle)
- Inflammation of the elbow synovial bursa
- Bone inflammation, humerus epicondyle, kidney
- Periostitis, meningitis (bacterial etc.)
- Meningitis and encephalitis
- Meningitis
- Tenosynovitis, plantar tendonitis
- Osteoarthritis, Tendon rupture
- Rheumatoid Arthritis
- Inflammation of the sacroiliac joints
- Knee and elbow sprains
- Ankle sprains
- Sprain of the wrist-radial joint
- First degree ankle sprain
- Spinal ligaments of the knee joint
- Prostate hyperplasia (OHS)

Basic technical parameters	780nm	820nm
Laser type	diode - therapeutic	diode - therapeutic
Wavelength	780nm	820nm
Max. output power	600 mW, regulated from 50mW to 600mW with step 50mW	600 mW, regulated from 50mW to 600mW with step 50mW
Operation mode	continuous(c.w.)	
Power	(90-265)VAC, (47-63)Hz	
Power supply	<20W	
Delivery beam system	Treatment point probe with rigid fiber applicator or lens applicator - $d_a = 8\text{mm}$, $S_a = 1\text{cm}^2$ or lenticular- $d_a = 11\text{mm}$, $S_a = 1\text{cm}^2$	
Switching delivery beam	button ON/OFF on probe or button START on display LCD	
Safety classes	class 3B laser safety, class I type B of electrical safety	
Dimensions (WxDxH) / Weight	220mm x 150mm x 80mm (W x D x H) / ~1,4kg	
REfERENCE number	CTL 1106MX-780-600.22b.TT.PHY	



Diode Therapy Laser

CTL 1106MX - Doris Duo 78/82

780nm – 600mW and 820nm – 600mW



NEW!



ISO 9001 • CE • ISO 13485

REF: CTL 1106_-0780-.600 i 0820-.600.27b.TT.PHY

VER: B1.2-16.PS-POL.27b.PHY

Basic functional advantage:

- Therapy without medication
- Painless treatments
- Quick treatment effects
- High efficiency and effectiveness
- Wide range of applications
- Stable parameters
- Portable and easy to operate
- High patient and doctor comfort
- Colour touch screen
- Switching on the laser by proximity card with PIN code
- Switching on the laser by button on keyboard
- Easy to use, intuitive interface
- The highest quality and reliability
- Attractive design, modern styling
- Durable and reliable - 2 years warranty !
- Fair price for properties !

Doris Duo - 78/82

Examples of applications in physiotherapy and rehabilitation

Degeneration of joints

- Rheumatic Disease, Scheuermann's Disease
- Osteoarthritis of the hip, knee joint, shoulder joint
- Osteoarthritis of the hands, feet joints, sacroiliac joints
- Degenerative and degenerative changes in the joints of the spine

Pain syndromes, neuralgia

- Pain in the lumbar spine, thoracic spine, cervical spine
- Ankle pain
- Phantom, muscular, lumbar spine pains
- Postamputation pain, metatarsus, generalized
- Pain and degeneration of the hip and knee joints
- Morton disease, Guyon's isthmus syndrome
- Sciatic nerve neuralgia (sciatica)
- Intercostal neuralgia, trigeminal nerve
- Brachial plexus neuralgia
- Morton's disease, Osgood-Schlatter disease (Syndrome)
- Parkinson's, Perthes, Raynaud's, Reiter's disease
- Diabetes, diabetic foot syndrome,
- Partial rupture of the ligaments of the joint
- Carpal tunnel syndrome, carpal tunnel syndrome
- Carpal tunnel syndrome, painful elbow
- Painful shoulder syndrome
- Supraspinatus muscle syndrome
- Intercostal neuralgia

Inflammation, injuries

- Calcaneal spur
- Plantar fasciitis
- Achilles tendon sheath inflammation
- Medial epicondyle of the humerus
- Inflammation of the synovial bursa, shoulder bursa
- Periarticular brachial-inflammatory inflammation
- Inflammation of the roots and plexuses, muscles
- Inflammation of the nerves, periarticular, joint
- Hip synovial bursitis
- Inflammation of the synovial bursa, trochanteric bursitis (great / small gluteus muscle)
- Inflammation of the elbow synovial bursa
- Bone inflammation, humerus epicondyle, kidney
- Periostitis, meningitis (bacterial etc.)
- Meningitis and encephalitis
- Meningitis
- Tenosynovitis, plantar tendonitis
- Osteoarthritis, Tendon rupture
- Rheumatoid Arthritis
- Inflammation of the sacroiliac joints
- Knee and elbow sprains
- Ankle sprains
- Sprain of the wrist-radial joint
- First degree ankle sprain
- Spinal ligaments of the knee joint
- Prostate hyperplasia (OHS)

Basic parameters technical and utility	780nm	820nm
Laser type	diode - therapeutic	diode - therapeutic
Wavelength	780nm	820nm
Max. output power	600mW , regulated from 50mW to 600mW with step 50mW	600mW, regulated from 50mW to 600mW with step 50mW
Operation mode	continuous(c.w.)	continuous(c.w.)
Display / keyboard	colorful - 7" (TFT / touchable)	
Power	(85-265)VAC, (50-60)Hz	
Power supply	≤ 50 mW	
Delivery beam system	Sonda zabiegowa punktowa - 78 z aplikatorem soczewkowym $d_a=11\text{mm}$, $S_a=1\text{cm}^2$ Sonda zabiegowa punktowa - 82 z aplikatorem soczewkowym $d_a=11\text{mm}$, $S_a=1\text{cm}^2$	
Switching delivery beam	button ON/OFF on probe or button START on display LCD	
Safety classes	class 3B laser safety, class I type B of electrical safety	
Dimensions(WxDxH)/Waga	270mmx195mmx90mm(W x D x H) / ~3,0kg	
Reference number	CTL 1106MX-0780-.300 i 0820-.600.27g.TT.PHY	



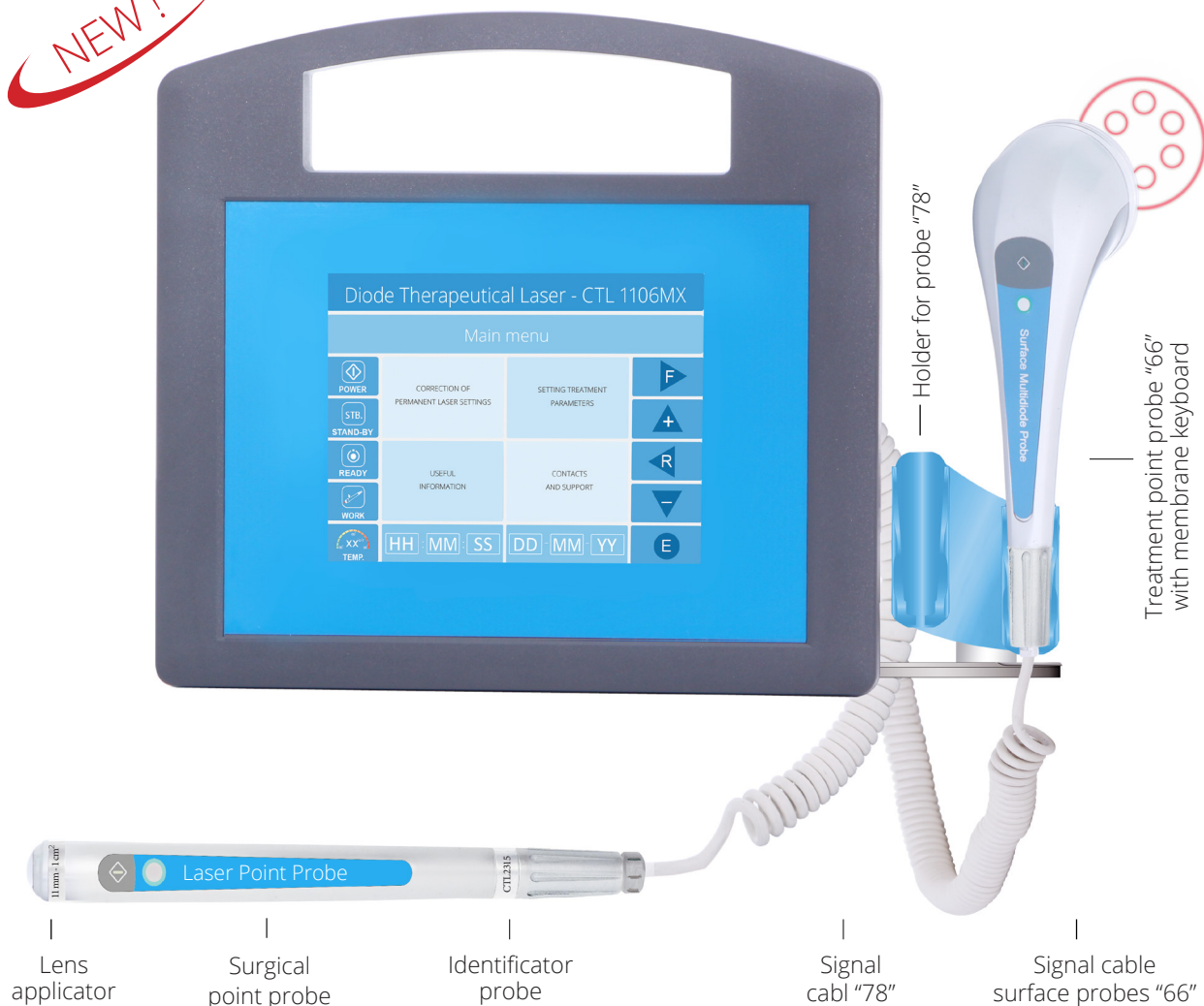
Diode Therapy Laser

CTL 1106MX - Doris Duo 78/66 **PHY**

780nm – 300mW and 660nm – 300mW (9x40mW)



NEW!



ISO 9001 • **CE** • ISO 13485

REF: CTL 1106MX-0780-.300 i 0660-300(9x40).27g.TT.PHY

VER: B2.2-16.PS-PL.27g.PHY

Basic functional advantage:

- Therapy without medication
- Painless treatments
- Quick treatment effects
- High efficiency and effectiveness
- Wide range of applications
- Stable parameters
- Portable and easy to operate
- High patient and doctor comfort
- Colour touch screen
- Switching on the laser by proximity card with PIN code
- Switching on the laser by button on keyboard
- Easy to use, intuitive interface
- The highest quality and reliability
- Attractive design, modern styling
- Durable and reliable - 2 years warranty !
- Fair price for properties !

Doris Duo Laser - 78/66

Examples of applications in physiotherapy and rehabilitation

Degeneration of joints

- Rheumatic Disease, Scheuermann's Disease
- Osteoarthritis of the hip, knee joint, shoulder joint
- Osteoarthritis of the hands, feet joints, sacroiliac joints
- Degenerative and degenerative changes in the joints of the spine

Pain syndromes, neuralgia

- Pain in the lumbar spine, thoracic spine, cervical spine
- Ankle pain
- Phantom, muscular, lumbar spine pains
- Postamputation pain, metatarsus, generalized
- Pain and degeneration of the hip and knee joints
- Morton disease, Guyon's isthmus syndrome
- Sciatic nerve neuralgia (sciatica)
- Intercostal neuralgia, trigeminal nerve
- Brachial plexus neuralgia
- Morton's disease, Osgood-Schlatter disease (Syn-drome)
- Parkinson's, Perthes, Raynaud's, Reiter's disease
- Diabetes, diabetic foot syndrome,
- Partial rupture of the ligaments of the joint
- Carpal tunnel syndrome, carpal tunnel syndrome
- Carpal tunnel syndrome, painful elbow
- Painful shoulder syndrome
- Supraspinatus muscle syndrome
- Intercostal neuralgia

Inflammation, injuries

- Calcaneal spur
- Plantar fasciitis
- Achilles tendon sheath inflammation
- Medial epicondyle of the humerus
- Inflammation of the synovial bursa, shoulder bursa
- Periarticular brachial-inflamatory inflammation
- Inflammation of the roots and plexuses, muscles
- Inflammation of the nerves, periarticular, joint
- Hip synovial bursitis
- Inflammation of the synovial bursa, trochanteric bursitis (great / small gluteus muscle)
- Inflammation of the elbow synovial bursa
- Bone inflammation, humerus epicondyle, kidney
- Periostitis, meningitis (bacterial etc.)
- Meningitis and encephalitis
- Meningitis
- Tenosynovitis, plantar tendonitis
- Osteoarthritis, Tendon rupture
- Rheumatoid Arthritis
- Inflammation of the sacroiliac joints
- Knee and elbow sprains
- Ankle sprains
- Sprain of the wrist-radial joint
- First degree ankle sprain
- Spinal ligaments of the knee joint
- Prostate hyperplasia (OHS)

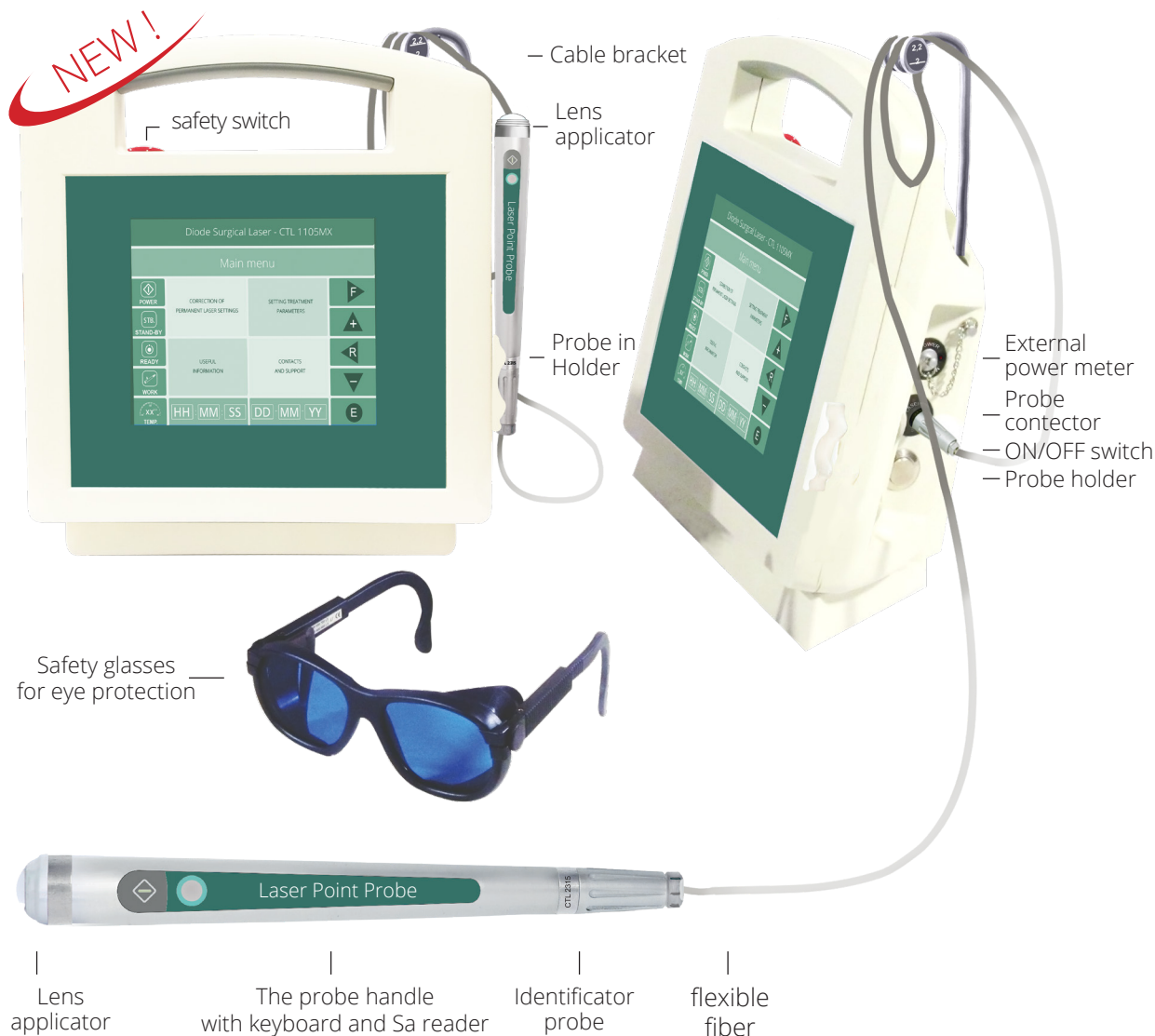
Basic parameters technical and utility	780nm	660nm
Laser type	diode - therapeutic	diode - therapeutic
Wavelength	780nm	660nm (9x40mW)
Max. output power	300mW , regulated from 50mW to 300mW with step 50mW	300mW, regulated from 50mW to 300mW with step 50mW
Operation mode	continuous(c.w.)	continuous(c.w.)
Display / keyboard	colorful TFT / touchable	
Power	(85-265)VAC, (50-60)Hz	
Power supply	<50W	
Delivery beam system	Sonda zabiegowa punktowa - 78 z aplikatorem soczewkowym $d_a=11\text{mm}$, $S_a=1\text{cm}^2$ i Sonda powierzchniowa $d_a=50\text{mm}$, $S_a=20\text{cm}^2$	
Switching delivery beam	button ON/OFF on probe or button START on display LCD	
Safety classes	class 3B laser safety, class I type B of electrical safety	
Dimensions(WxDxH)/Waga	270mmx195mmx90mm(W x D x H) / ~3,0kg	
Reference number	CTL 1106MX-0780-.300 i 0660-.300.27g.TT.PHY	



Diode Therapy Laser

CTL 1105MX - Doris Pro **PHY**

810nm -1500mW or 3W or 6W



ISO 9001 • **CE** • ISO 13485

REF.: CTL 1105MX_0810-1200.22b.TT.PHY

VER.: A1.1-16.PS-PL.22b.PHY

Basic functional advantage:

- Therapy without medication
- Painless treatments
- Quick treatment effects
- High efficiency and effectiveness
- Wide range of applications
- Stable parameters
- Portable and easy to operate
- High patient and doctor comfort
- Colour touch screen
- Switching on the laser by proximity card with PIN code
- Switching on the laser by button on keyboard
- Easy to use, intuitive interface
- The highest quality and reliability
- Attractive design, modern styling
- Durable and reliable - 2 years warranty !
- Fair price for properties !

Doris Pro Laser - 81/1.5W or 81/3W or 81/6W

Examples of applications in physiotherapy and rehabilitation

Degeneration of joints

- Rheumatic Disease, Scheuermann's Disease
- Osteoarthritis of the hip, knee joint, shoulder joint
- Osteoarthritis of the hands, feet joints, sacroiliac joints
- Degenerative and degenerative changes in the joints of the spine

Pain syndromes, neuralgia

- Pain in the lumbar spine, thoracic spine, cervical spine
- Ankle pain
- Phantom, muscular, lumbar spine pains
- Postamputation pain, metatarsus, generalized
- Pain and degeneration of the hip and knee joints
- Morton disease, Guyon's isthmus syndrome
- Sciatic nerve neuralgia (sciatica)
- Intercostal neuralgia, trigeminal nerve
- Brachial plexus neuralgia
- Morton's disease, Osgood-Schlatter disease (Syndrome)
- Parkinson's, Perthes, Raynaud's, Reiter's disease
- Diabetes, diabetic foot syndrome,
- Partial rupture of the ligaments of the joint
- Carpal tunnel syndrome, carpal tunnel syndrome
- Carpal tunnel syndrome, painful elbow
- Painful shoulder syndrome
- Supraspinatus muscle syndrome
- Intercostal neuralgia

Inflammation, injuries

- Calcaneal spur
- Plantar fasciitis
- Achilles tendon sheath inflammation
- Medial epicondyle of the humerus
- Inflammation of the synovial bursa, shoulder bursa
- Periarticular brachial-inflammation inflammation
- Inflammation of the roots and plexuses, muscles
- Inflammation of the nerves, periarticular, joint
- Hip synovial bursitis
- Inflammation of the synovial bursa, trochanteric bursitis (great / small gluteus muscle)
- Inflammation of the elbow synovial bursa
- Bone inflammation, humerus epicondyle, kidney
- Periostitis, meningitis (bacterial etc.)
- Meningitis and encephalitis
- Meningitis
- Tenosynovitis, plantar tendonitis
- Osteoarthritis, Tendon rupture
- Rheumatoid Arthritis
- Inflammation of the sacroiliac joints
- Knee and elbow sprains
- Ankle sprains
- Sprain of the wrist-radial joint
- First degree ankle sprain
- Spinal ligaments of the knee joint
- Prostate hyperplasia (OHS)

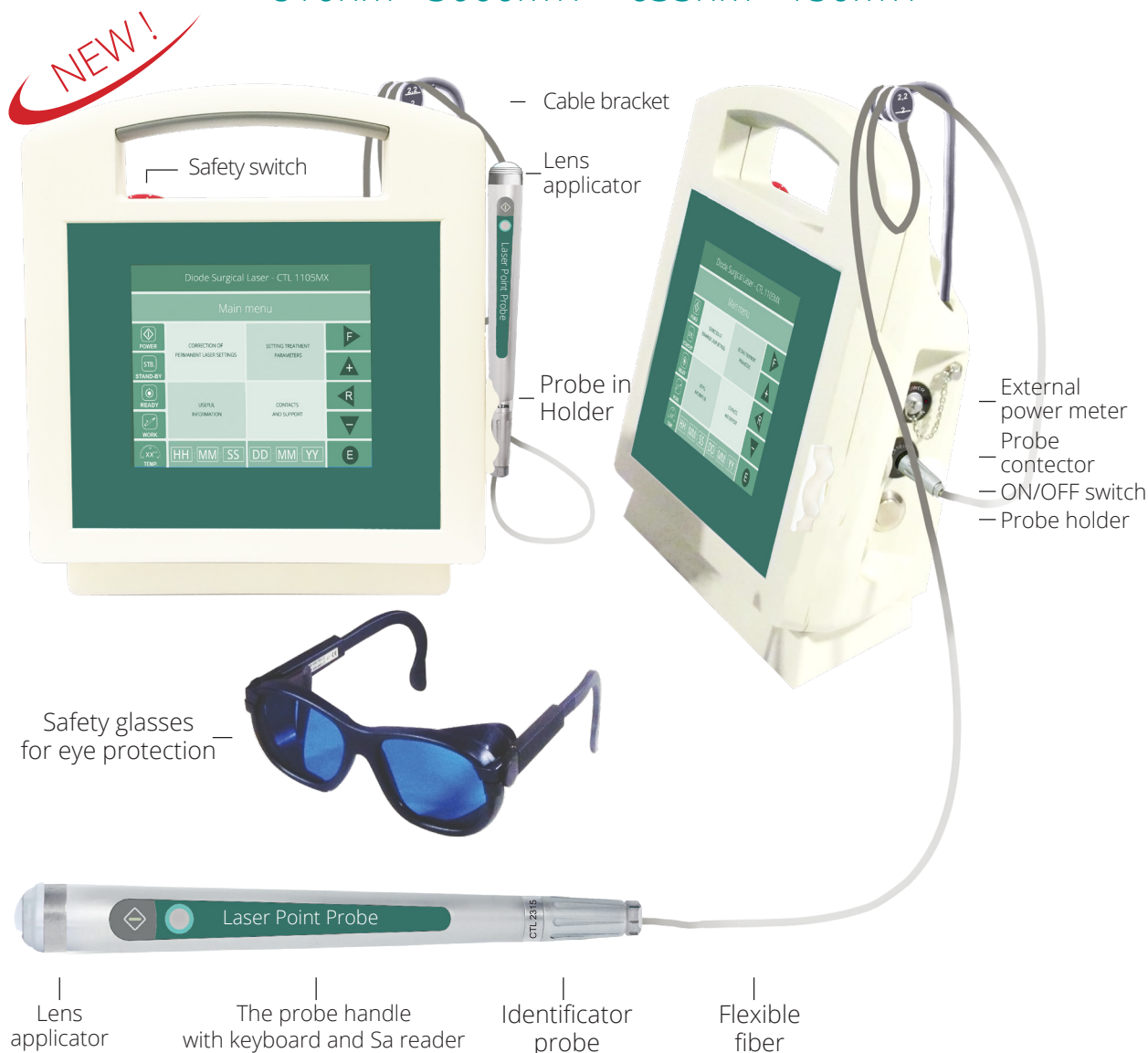
Basic parameters technical and utility	810nm/1.5W	810nm/3W	810nm /6W
Laser type	diode - therapeutic	diode - therapeutic	diode - therapeutic
Wavelength	810nm	810nm	810nm
Max. output power	1200mW , regulated from 100mW to 1200mW with step 100mW	3000mW , regulated from 100mW to 3000mW with step 100mW	6000mW , regulated from 100mW to 6000mW with step 100mW
Operation mode	continuous(c.w.)	continuous(c.w.)	continuous(c.w.)
Power	(85-265)VAC, (50-60)Hz	(85-265)VAC, (50-60)Hz	
Power supply	<30W	<30W	
Delivery beam system	Treatment point probe with rigid fiber applicator or		
	Lens applicator - $d_a=8\text{mm}$, $S_a=1\text{cm}^2$ or lenticular, $d_a=20\text{mm}$, $S_a=3\text{cm}^2$	Lens applicator - $d_a=8\text{mm}$, $S_a=1\text{cm}^2$ or lenticular, $d_a=25,4\text{mm}$, $S_a=5\text{cm}^2$	lens applicator - $d_a=8\text{mm}$, $S_a=1\text{cm}^2$ or lenticular, $d_a=30\text{mm}$, $S_a=7\text{cm}^2$
Switching delivery beam	Button ON/OFF on probe or button START on display LCD		
Safety classes	Class 3B laser safety, class I type B of electrical safety		
Dimensions(WxDxH)/	220mm x 150mm x 80mm (W x D x H) / ~1,4kg	220mm x 150mm x 80mm (W x D x H) / ~1,4kg	220mm x 150mm x 80mm (W x D x H) / ~1,4kg
Waga	CTL 1106MX-0810-1200.22b.	CTL 1106MX-0810-3000.22b.PHY	CTL 1106MX-0810-6000.22b.
Reference number	PHY		PHY



Diode Therapy Laser

CTL 1105MX - Doris Pro Duo **PHY**

810nm - 3000mW + 635nm - 150mW



ISO 9001 • CE • ISO 13485

REF.: CTL 1106_-0810-500+0635-150.22b.TT.PHY

VER: E1.3-16.PS-PL.22b.PHY

Basic functional advantage:

- Therapy without medication
- Painless treatments
- Quick treatment effects
- High efficiency and effectiveness
- Wide range of applications
- Stable parameters
- Portable and easy to operate
- High patient and doctor comfort
- Colour touch screen
- Switching on the laser by proximity card with PIN code
- Switching on the laser by button on keyboard
- Easy to use, intuitive interface
- The highest quality and reliability
- Attractive design, modern styling
- Durable and reliable - 2 years warranty !
- Fair price for properties !

Doris Pro Duo Laser - 81/63

Examples of applications in physiotherapy and rehabilitation

Degeneration of joints

- Rheumatic Disease, Scheuermann's Disease
- Osteoarthritis of the hip, knee joint, shoulder joint
- Osteoarthritis of the hands, feet joints, sacroiliac joints
- Degenerative and degenerative changes in the joints of the spine

Pain syndromes, neuralgia

- Pain in the lumbar spine, thoracic spine, cervical spine
- Ankle pain
- Phantom, muscular, lumbar spine pains
- Postamputation pain, metatarsus, generalized
- Pain and degeneration of the hip and knee joints
- Morton disease, Guyon's isthmus syndrome
- Sciatic nerve neuralgia (sciatica)
- Intercostal neuralgia, trigeminal nerve
- Brachial plexus neuralgia
- Morton's disease, Osgood-Schlatter disease (Syndrome)
- Parkinson's, Perthes, Raynaud's, Reiter's disease
- Diabetes, diabetic foot syndrome,
- Partial rupture of the ligaments of the joint
- Carpal tunnel syndrome, carpal tunnel syndrome
- Carpal tunnel syndrome, painful elbow
- Painful shoulder syndrome
- Supraspinatus muscle syndrome
- Intercostal neuralgia

Inflammation, injuries

- Calcaneal spur
- Plantar fasciitis
- Achilles tendon sheath inflammation
- Medial epicondyle of the humerus
- Inflammation of the synovial bursa, shoulder bursa
- Periarticular brachial-inflammatory inflammation
- Inflammation of the roots and plexuses, muscles
- Inflammation of the nerves, periarticular, joint
- Hip synovial bursitis
- Inflammation of the synovial bursa, trochanteric bursitis (great / small gluteus muscle)
- Inflammation of the elbow synovial bursa
- Bone inflammation, humerus epicondyle, kidney
- Periostitis, meningitis (bacterial etc.)
- Meningitis and encephalitis
- Meningitis
- Tenosynovitis, plantar tendonitis
- Osteoarthritis, Tendon rupture
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- Ankle sprains
- Sprain of the wrist-radial joint
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- Spinal ligaments of the knee joint
- Prostate hyperplasia (OHS)

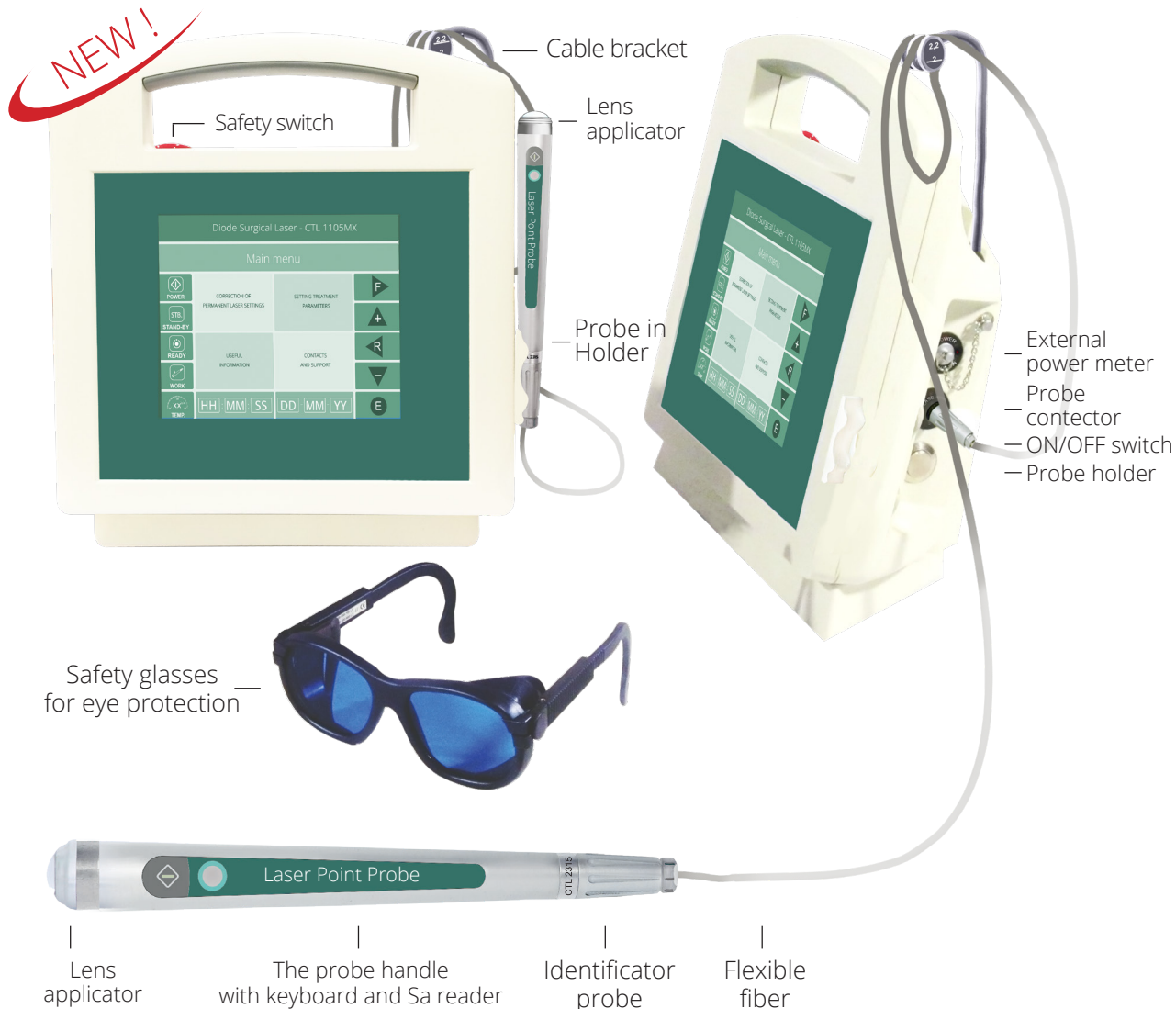
Basic parameters technical and utility	810nm	635nm
Laser type	diode - therapeutic	diode - therapeutic
Wavelength	810nm	635nm
Max. output power	3000mW , regulated from 100mW to 3000mW with step 100mW	150mW, regulated from 10mW to 150mW with step 10mW
Operation mode	continuous(c.w.)	continuous(c.w.)
Display / keyboard	colorful TFT / touchable	
Power	(85-265)VAC, (50-60)Hz	
Power supply	<30W	
Delivery beam system	treatment point probe with rigid fiber applicator or lens applicator, or lenticular, $d_a=30\text{mm}$, $S_a=7\text{cm}^2$	
Switching delivery beam	button ON/OFF on probe or button START on display LCD	
Safety classes	class 3B laser safety, class I type B of electrical safety	
Dimensions(WxDxH)/	220mm x 150mm x 80mm (W x D x H) /	
Waga	~1,4kg	
Reference number	CTL 1106MX-0810-.520+0635-.150.22b.TT.PHY	



Diode Therapy Laser

CTL 1551MX - Doris Pro Trio **PHY**

810nm - 3000mW + 780nm - 1W + 635nm - 150mW



ISO 9001 • **CE** • ISO 13485

REF.: CTL 1551_-0810-300+780-1.00+0635-150.22b.TT.PHY

VER: E1.4-16.PS-PL.22b.PHY

Basic functional advantage:

- Therapy without medication
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Doris Pro Trio Laser - 81/78/63

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- Morton's disease, Osgood-Schlatter disease (Syndrome)
- Parkinson's, Perthes, Raynaud's, Reiter's disease
- Diabetes, diabetic foot syndrome,
- Partial rupture of the ligaments of the joint
- Carpal tunnel syndrome, carpal tunnel syndrome
- Carpal tunnel syndrome, painful elbow
- Painful shoulder syndrome
- Supraspinatus muscle syndrome
- Intercostal neuralgia

Inflammation, injuries

- Calcaneal spur
- Plantar fasciitis
- Achilles tendon sheath inflammation
- Medial epicondyle of the humerus
- Inflammation of the synovial bursa, shoulder bursa
- Periarticular brachial-inflammatory inflammation
- Inflammation of the roots and plexuses, muscles
- Inflammation of the nerves, periarticular, joint
- Hip synovial bursitis
- Inflammation of the synovial bursa, trochanteric bursitis (great / small gluteus muscle)
- Inflammation of the elbow synovial bursa
- Bone inflammation, humerus epicondyle, kidney
- Periostitis, meningitis (bacterial etc.)
- Meningitis and encephalitis
- Meningitis
- Tenosynovitis, plantar tendonitis
- Osteoarthritis, Tendon rupture
- Rheumatoid Arthritis
- Inflammation of the sacroiliac joints
- Knee and elbow sprains
- Ankle sprains
- Sprain of the wrist-radial joint
- First degree ankle sprain
- Spinal ligaments of the knee joint
- Prostate hyperplasia (OHS)

Basic parameters technical and utility	810nm	780nm	635nm
Laser type	diodowy	diodowy	diodowy
Wavelength	810nm	780nm	635nm
Max. output power	3000mW , regulated from 500mW to 3000mW with step 0,5W	10 W, regulated from 50mW to 10W with step 5 mW	150mW, regulated from 50mW to 150mW with step 50mW
Operation mode	continuous(c.w.)	continuous(c.w.)	continuous(c.w.)
Display / keyboard		colorful TFT / touchable	
Power		(85-265)VAC, (50-60)Hz	
Power supply		≤ 600W	
Delivery beam system	treatment point probe with rigid fiber applicator or lens applicator, or lenticular, $d_a=30\text{mm}$, $S_a=7\text{cm}^2$		
Switching delivery beam	button ON/OFF on probe or button START on display LCD		
Safety classes	class 3B laser safety, class I type B of electrical safety		
Dimensions(WxDxH)/Waga	220mm x 150mm x 80mm (W x D x H) / ~1,4kg		
Reference number	CTL 1551MX-0810-.3.00+780-1.00+0635-.150.22b.TT.PHY		



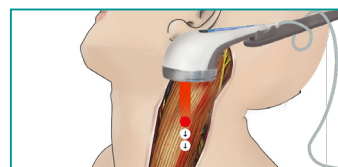
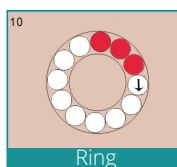
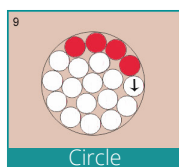
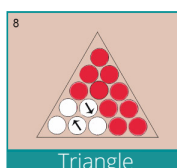
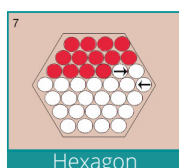
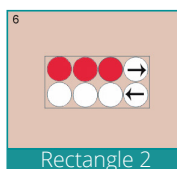
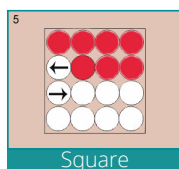
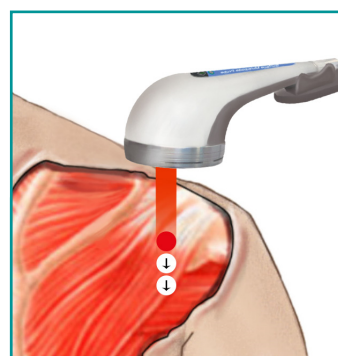
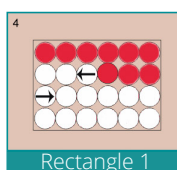
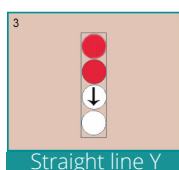
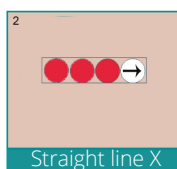
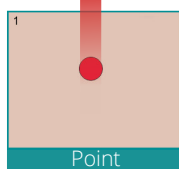
Therapeutic Laser Scanner

CTL 1551TS - Odys Trio **PHY**

635 nm - 150mW + 780nm - 1W + 810nm - 3W



NEW!



ISO 9001 • **CE** • ISO 13485

REF: CTL 1106TS-0635-.150 + 0780-1.00+0810-3.00.21b.TT.PHY

• VER: C3.1-16.PS-POL.21b.PHY

Basic functional advantage:

- Therapy without medication
- Painless treatments
- Quick treatment effects
- High efficiency and effectiveness
- Wide range of applications
- Stable parameters
- Portable and easy to operate
- High patient and doctor comfort
- Colour touch screen
- Switching on the laser by proximity card with PIN code
- Switching on the laser by button on keyboard
- Easy to use, intuitive interface
- The highest quality and reliability
- Attractive design, modern styling
- Durable and reliable - 2 years warranty !
- Fair price for properties !

Odys Trio Laser - 63/78/81

Examples of applications in physiotherapy and rehabilitation

Degeneration of joints

- Rheumatic Disease, Scheuermann's Disease
- Osteoarthritis of the hip, knee joint, shoulder joint
- Osteoarthritis of the hands, feet joints, sacroiliac joints
- Degenerative and degenerative changes in the joints of the spine

Pain syndromes, neuralgia

- Pain in the lumbar spine, thoracic spine, cervical spine
- Ankle pain
- Phantom, muscular, lumbar spine pains
- Postamputation pain, metatarsus, generalized
- Pain and degeneration of the hip and knee joints
- Morton disease, Guyon's isthmus syndrome
- Sciatic nerve neuralgia (sciatica)
- Intercostal neuralgia, trigeminal nerve
- Brachial plexus neuralgia
- Morton's disease, Osgood-Schlatter disease (Syn-drome)
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- Inflammation of the sacroiliac joints
- Knee and elbow sprains
- Ankle sprains
- Sprain of the wrist-radial joint
- First degree ankle sprain

Degenerative diseases of the spine

- Degenerative degenerative changes
- Pain in the lumbar and thoracic spine
- Cervical spine pains

Basic parameters technical and utility	three wave's laser : 635nm + 780nm + 810nm		
Laser type	diode	diode	diode
Wavelength	653nm	780nm	810nm
Max. output power	150mW, regulated from 50mW to 150mW with step 50mW	1W, regulated from 50mW to 1W with step 50mW	3W , regulated from 50mW to 3W with step 50mW
Operation mode	continuous(c.w.)	continuous(c.w.)	continuous(c.w.)
Display / keyboard	colorful TFT / touchable		
Power	(85-265)VAC, (50-60)Hz		
Power supply	≤ 50W		
Delivery beam system	scanning surface probe		
Switching delivery beam	button ON/OFF on probe or button START on display LCD		
Safety classes	class 3B laser safety, class I type B of electrical safety		
Dimensions(WxDxH)/Waga	210mm x 250mm x 925mm (W x D x H) / ~20kg,/		
Reference number	CTL 1551TS-0635-.150 + 0780-1.00 + 0810-3.00.21b.TT.PHY		

Major awards, diplomas and awards

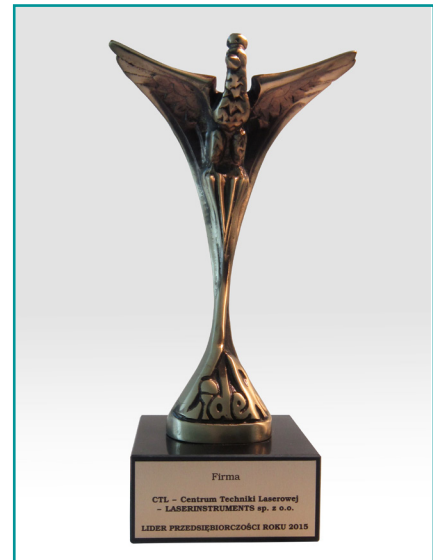
VIP in Health Care 2016



Award „Dźwignia” 2015



Entrepreneurship Leader 2015



Diploma „Leader Entrepreneurship 2015 „



Golden Laurel of Innovation 2013



Innovation, Modern Technologies 2013



Pearls of Medicine 2013



Pearls of Medicine 2013



Quality of the year 2011



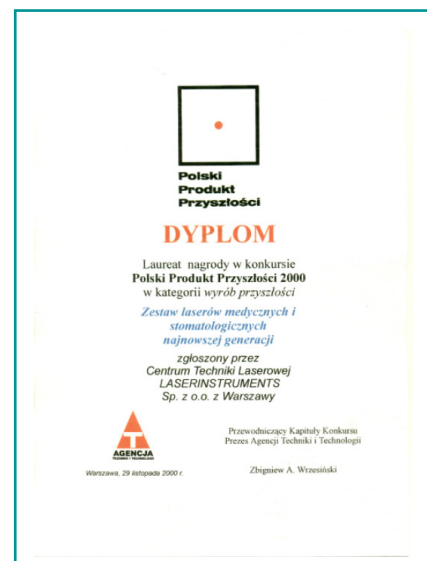
Quality of the year 2011



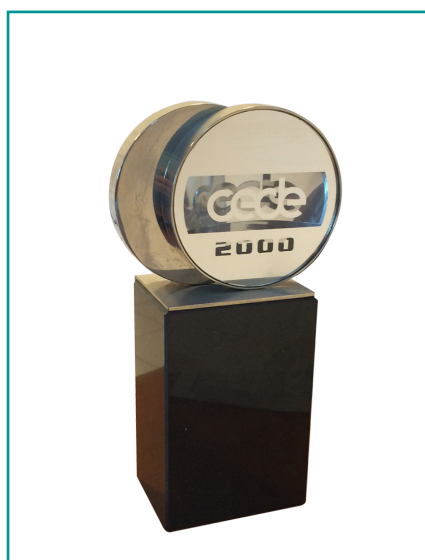
Golden Engineer 2001
„Przeglądu Technicznego”



Diploma „Polish Product Future”



Grand Prix CEDE 2000



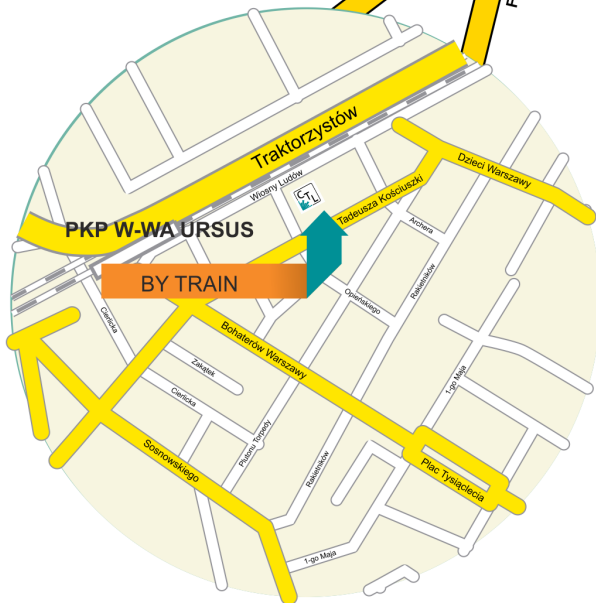
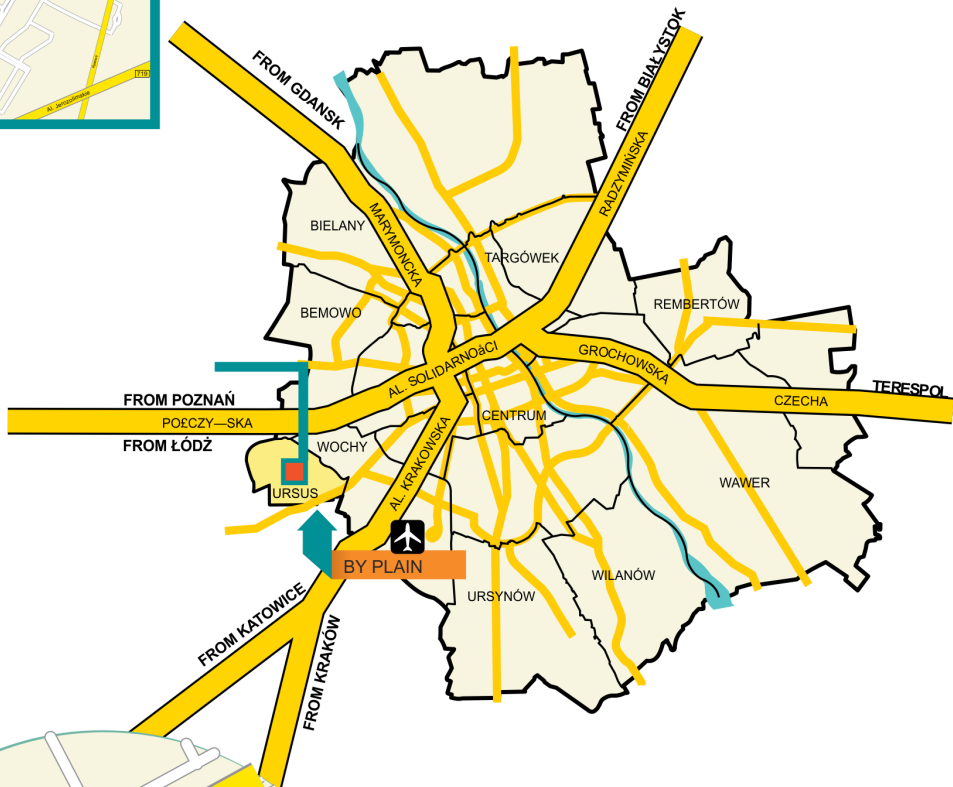
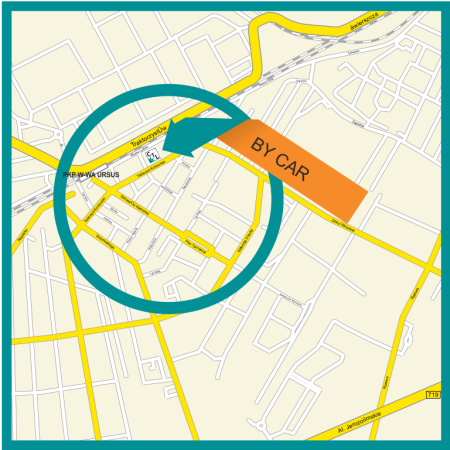
Diploma „Leader Entrepreneurship 1999 „



Award Grand Prix Dentexpo,97



HOW TO FIND AS?



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IDEAS

RESEARCH

MODEL