

FEATURES

ITEM	DESCRIPTION
1	Halogen lamp / HBM sensor.
2	Aluminum shell / Stainless steel chamber.
3	LCD (White back light with black font).
4	Temperature / Time set.
5	The percentage of moisture content / dry residual.
6	Store historical set.
7	Option: Aluminum box / Printer / Grinder

MCA110 - 10

MCA110 - 5

MCA110 - 2

MCA110 - 1

MCA110 - 1A

TECHNICAL SPECIFICATION

MODEL	MCA110-10	MCA110-5	MCA110-2	MCA110-1	MCA110-1A
CAPACITY	110g				
READABILITY	0,01g	0,005g	0,002g	0,001g	
OPERATING TEMP	5 °C to 35 °C				
DISPLAY	LCD (White back light with black font)			LCD HD Back Display	
CALIBRATION	External Calibration				
INTERFACE	RS232 / RJ45 / USB ...				
PAN SIZE	Ø 90mm				
PACKING SIZE	490 x 350 x 360 mm				
GROSS WEIGHT	7,5 kg				
HEATING SOURCE	Halogen Lamp - 1			Halogen Lamp-2	
TEMP. SENSOR	PT100				
TEMP. RANGE	40 °C to 199 °C				
TEMP. STEP	1 °C				
MOISTURE RANGE	0,00% to 100,00%				
MOISTURE READABILITY	0,20%	0,10%	0,04%	0,01%	
DRY RANGE	100,00% to 0,00%				
DRY READABILITY	0,20%	0,10%	0,04%	0,01%	
TEMP. SETTING	40 °C to 199 °C By 1 °C Step				
TIME SETTING	1 to 99 min By 1 °C Step				
NUMBER OF STORAGE	15				
HEATER	220V ± 15% 50Hz / 110V ± 15% 60Hz / 400W				
BALANCE	Input: 220V 50Hz / 110V 60Hz Output: 9V				



CODE:
1887

Description: EC meter set for soil with EC soil electrode and accessories in case. Measuring range: EC: 0,1 ... 20 mS/cm, temperature: 0 ... 60 °C.

Professional portable conductivity meter with innovative high-resolution color display, suitable to work in any conditions, thanks also to the possibility to adjust manually contrast and brightness of the display.

Measurement of conductivity, TDS, salinity and temperature, possibility to select the parameters you want to show.

Automatic calibration of conductivity up to 5 points and 1 point custom defined by the user. Adjustable reference temperature and selectable cell constant.



TECHNICAL SPECIFICATIONS

ITEM	DESCRIPTION	CAPACITY
1	MEASURING RANGE EC	1,0 μS ... 200 mS (0,01 μS)
2	MEASURING RANGE TDS	0,01 mg/l ... 200,0 g/l
3	MEASURING RANGE TEMP.	0,0 ... + 100,0 °C (0,1 °C)



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More Information:



Versión: J2024-1

CODE:
EC1210

Description: The digital EC-meter with plug-in sensor for measuring directly in soil (measuring can also be direct in water) is robust, elegant of design, accurate and easy to use. The temperature is automatically compensated for and the EC1210 also has an automatic calibration and data storage allowing simplicity and accuracy is ensured.

The instrument is supplied in a handy carrying case with a calibration fluid and precise instructions.



TECHNICAL SPECIFICATIONS		
ITEM	DESCRIPTION	CAPACITY
1	MEASURING RANGE EC	0-1999uS, 20/200mS
2	MEASURING RANGE °C	-5.0 / 60.0°C
3	REF. TEMPERATURE	20 of 25°C
4	MEMORY CAPACITY	80 measurements
5	WORK TEMP. / RH	0-60 °C / 20-95%
6	ACCURACY	0,1 mS/cm
7	RESOLUTION EC	0,01 mS/cm
8	ELECTRODE	Stainless steel + Pt1000 120 cm cable
9	POWER SUPPLY	1 x battery 9V
10	MEASURING HOURS	± 250 hours
11	SIZE / WEIGHT	115x70x25mm / 200 gr
12	ACCESSORIES	Carrying case and calibration liquid
13	WARRANTEE	1 year (instrument)



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More Information:



Versión: J2024-1

CODE:
GV1600



TECHNICAL SPECIFICATIONS		
ITEM	DESCRIPTION	CAPACITY
1	HOUSING / OPERATING	Plastic / touch screen
2	OPERATING RANGE	-1000...0h Pa
3	OUTPUT	Digital, resolution 1 hPa
4	POWER SUPPLY	9V battery
5	WORK TEMPERATURE	1...80° C
6	MEASURING TUBE LENGTHS	30, 60 or 90 cm (other length on request e.g. 10 or 20 cm)
7	WEIGHT	300 grams (ex. accessories)
8	ACCESSORIES	Plastic carrying case, 3 needles and manual
9	WARRANTEE	1 year

TENSIOMETER TUBE



DESCRIPTION	CAPACITY		
	GV5000	GV5010	GV5020
TUBE DIAMETER	22 mm		
LENGTH	30 cm	60 cm	90 cm

TENSIOMETER SENSOR



TECHNICAL SPECIFICATIONS				
ITEM	DESCRIPTION	CAPACITY		
		GV5700	GV5710	GV5720
1	RANGE	-600...0hPa		
2	MAXIMUM PRESSURE	2x the range		
3	OUTPUT	4-20mA (4mA=0hPa, 20mA= -600hPa)		
4	POWER SUPPLY	9-30 Vdc		
5	WORKING TEMP.	1...85° C		
6	DIAPHRAGM	Ceramic		
7	TUBE LENGTH	30 cm	60 cm	90 cm
8	TUBE ø	20mm		
9	ACCESSORIES	Pipette and instructions for use		
10	WARRANTY	1 year		

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More Information:



Versión: J2024-1

CODE:
070153NN

Description: Case with soil sample rings Ø53mm, NN.

Soil sample rings are stainless steel rings made of seamless tubes, smooth inside and out. The bottom of the ring has a cutting edge. The dimensions, and thus the volume content, of soil sample rings are exactly known, which makes them highly suitable for laboratory studies. With soil sample rings undisturbed samples can be taken. Soil sample rings are available with standard diameters 53, 60, 84 mm and 103 mm.



TECHNICAL SPECIFICATIONS

VERSIONS OF SOIL SAMPLE RING KITS	SOIL SAMPLE RINGS CROSS SECTION	HEIGHT	VOLUME	DETAILS
07.53.SA	Ø 53 mm	51,0 mm	100 cc	Open ring holder
07.53.SC	Ø 53 mm	51,0 mm	100 cc	Closed ring holder
07.53.SE	Ø53 mm	51,00 mm	100 cc	Closed heavy duty ring holder
07.60.SC	Ø 60 mm	40,5 mm	100 cc	Closed ring holder
07.84.SC	Ø 84 mm	50,0 mm	250 cc	Closed ring holder

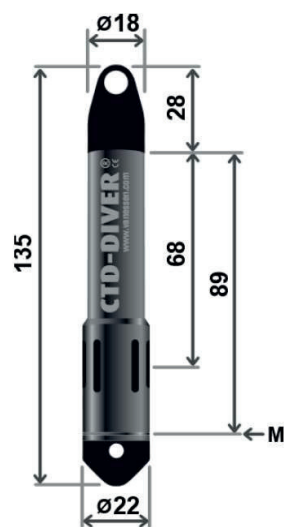
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CODE:
11115901-DI 281

Description: CTD - Diver.

CTD-Diver for measuring and recording groundwater level/ temperature/conductivity. Memory for 144000 measurements (and 144000 backup). Conductivity 0-120 mS/cm, compensation temperature 0 till +50 °C. Measuring range 10 m. Accuracy EC 1% of the measured value. Housing ZrO2. Warranty 1 year



M = membrane
Dimensions in mm

TECHNICAL SPECIFICATIONS

ITEM	DESCRIPTION	CAPACITY
1	LENGHT	135 mm
2	DIAMETER	22 mm
3	WEIGHT	95 g
4	MEMORY	144,000 measurements with backup; continous fixed length memory.
5	HOUSING	Ceramic (ZrO2).
6	O-RINGS	Viton.
7	PREASSURE SENSOR	Piezoresistive ceramic (Al2O3).
8	CAP / NOSE CONE	Nylon PA6 30% glass fiber.
9	CONDUCTIVITY SENSOR	Platinum electrodes.
10	BATTERY LIFE	10 years with 3 minutes or greater sample interval within the calibrated temperature range.
11	SAMPLE INTERVAL	1 second to 99 hours.
12	SAMPLE METHODS	Fixed, event, dependent, averaging and pumping test.

PRESSURE

PART NUMBER	DI 281	DI 282	DI 283	DI 284
Range (mH2o)	10	50	100	200
Accuracy (cmH2O)	± 0,5	± 2,5	± 5,0	± 10,0
Resolution (cmH2O)	0,2	1	2	4

FEATURE	TEMPERATURE	CONDUCTIVITY
RANGE	-20 to 80 °C	0 to 30 or 120 mS/cm
CALIBRATED	0 to 50 °C	-
ACCURACY	± 0,1 °C	± 1% of reading
RESOLUTION	0,01 °C	0,1% of reading



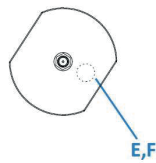
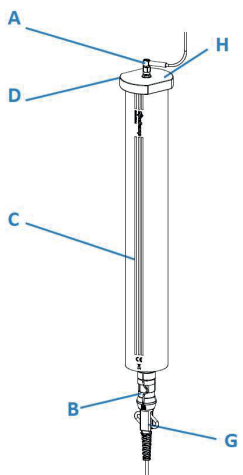
CODE:
113401NS

Description: Global Data Transmitter Single Prime GPRS/UMTS

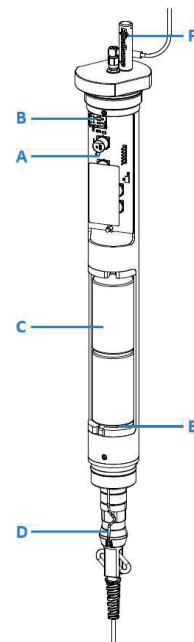
GDT-S Prime GPRS set without SIM card, consisting of GDT-S Prime GPRS modem (113401), inclusive alkaline battery D 1.5 V, set of 2 pieces (113121) and GPRS/UMTS antenna (113434); exclusive installation check (113411). Only suitable for Diver. Warranty 2 years.



TECHNICAL SPECIFICATIONS	
ITEM	DESCRIPTION
1	GPRS or UMTS version.
2	Internal barometric and temperature sensor.
3	Data available on iSiinitzan web portal or e-mail.
4	Easy to link to your own web environment (through API).
5	External antenna connection.
6	Powered with standard alkaline batteries.
7	Real time alarms possible (flood control).
8	Secure data transmission.
9	Plug and play



- A Antenna connector³
- B 1 sensor port³ (5-pin male connector, A-coded)
- C Enclosure
- D Top cap
- E Start switch (magnetically activated)
- F Connection / Error LED
- G Sensor cable
- H Vent



- A PCB
- B SIM card (in SIM card holder)
- C Battery
- D Sensor connector
- E Desiccant bag
- F Magnet

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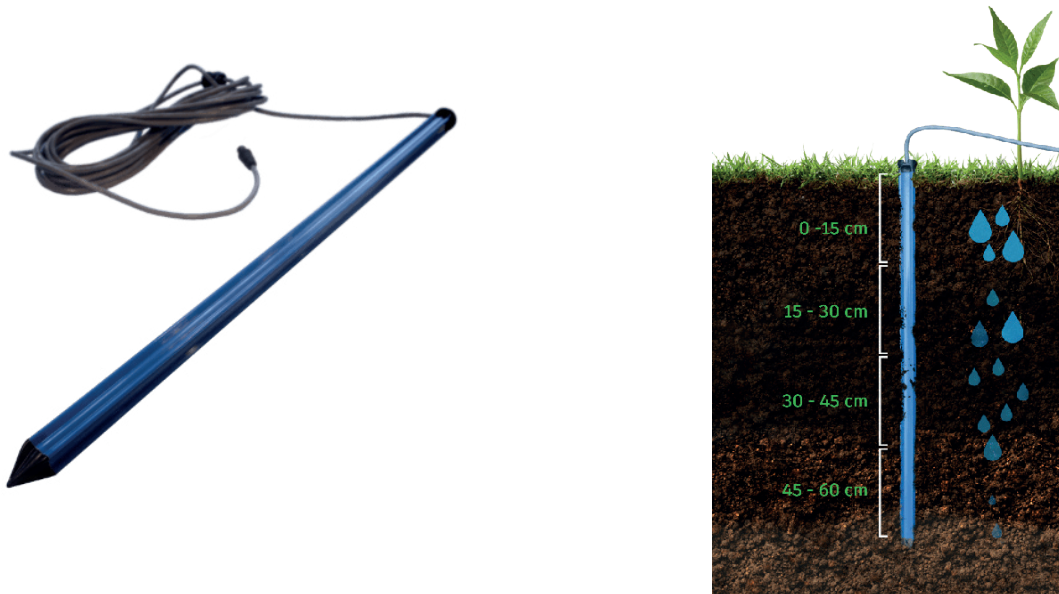


Versión: J2024-1

CODE:
SDI - 12

Description: Multi-segment soil moisture and temperature profiling probe.

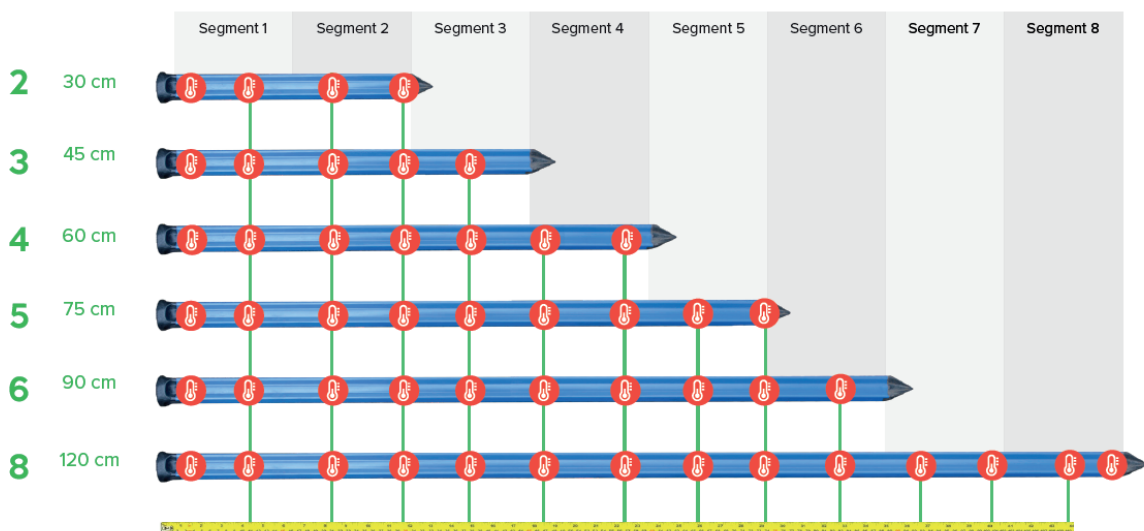
iSiinitzan Profile provides cost-effective measurement of volumetric water content over multiple depths using a single probe, eliminating the cumbersome excavation required for multiple sensors placed at different depths. It can be deployed in irrigation-sensitive zones to enable full control of precision irrigation needs, providing an understanding of water movement through the soil.



TEMPERATURE SENSOR PLACEMENT

Choose the number of 15cm segments that are right for your application. The standard configuration places temperature sensors every 10cm.

= temperature sensor placement



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CODE:
SDI - 12

MOISTURE SPECIFICATION

ITEM	DESCRIPTION	CAPACITY
1	MEASUREMENT RANGE	0% to 100% of VMC
2	ACCURACY	±2,0 % *
3	PRECISION	< 0,2 %

TEMPERATURE SPECIFICATION

ITEM	DESCRIPTION	CAPACITY
1	MEASUREMENT RANGE	-20 °C to +70°C (-4 °F to 158 °F)
2	ACCURACY	±0,5 °C
3	LOCATION	Surface every 10cm

ELECTRICAL SPECIFICATION

ITEM	DESCRIPTION	CAPACITY
1	OUTPUT	SDI-12 V1.3 MODBUS (RS485 optional)
2	CONNECTION	Bare wire (optional 4 pin, IP66/IP68 rated environmental connector)
3	INPUT VOLTAGE	6 to 14 VDC max. 18 VDC Quiescent: <0,5 mA
4	CURRENT CONSUMPTION	Active: 15-20 mA (depending on number of segments) for 100mS.
5	WARM-UP TIME ON POWER	< 1 second

ENVIRONMENTAL SPECIFICATION

ITEM	DESCRIPTION	CAPACITY
1	OPERATING TEMPERATURE	-20 °C to +70°C (-4 °F to 158 °F)
2	STORAGE TEMPERATURE	-40 °C to 85°C (-40 °F to 185 °F)

PHYSICAL SPECIFICATION

ITEM	DESCRIPTION	CAPACITY
1	LENGTH	Each segment is approximately 15cm (5,9") long. Total length is the number of segment multiplied by 15cm. For example, a 3-segment probe is about 45cm long.
2	PROBE WEIGHT	2 segments: 292 g (10,3 oz.) 3 segments: 351 g (12,4 oz.) 4 segments: 408 g (14,4 oz.) 5 segments: 468 g (16,5 oz.) 6 segments: 526 g (18,6 oz.) 8 segments: 642 g (22,6 oz.)
3	CABLE WEIGHT	38 g per m (0,42 oz. per foot)
4	STANDARD CABLE	5 m (16,3 ft) 4xAWD22 dual-shielded, twisted pair, rated for direct burial
5	WARRANTY	1-year limited parts and labour.

*8% to 42% VMC, in controlled laboratory condition; factory calibrated for most agricultural soils. In field applications, accuracy may slightly decrease due to the inevitable heterogeneity of soil texture, soil compaction, moisture and fluctuation in soil temperature. The accuracy may also decrease in difficult soil conditions (higher clay and salinity content). In normal conditions, sensors will maintain their accuracy from permanent wilting through field capacity in sandy loam through clay soils with less than 60% clay particles. Under moderately saline conditions. Sensors will maintain their accuracy up to 6 ds/m.





EDELMAN AUGER

ART. CODE	DESCRIPTION
01020205B	Edelman auger, bottom part, combination type, bayonet, Ø 5 cm.



EDELMAN AUGER

ART. CODE	DESCRIPTION
01020207C	Edelman auger, bottom part, combination type, conical screwthread connection, Ø 7 cm.



RIVERSIDE AUGER

ART. CODE	DESCRIPTION
01040007C	Riverside auger, bottom part, conical screwthread connection, Ø 7 cm.



HANDLE

ART. CODE	DESCRIPTION
011001B	Handle, normal, 60 cm, bay. (incl. coupling sleeve).

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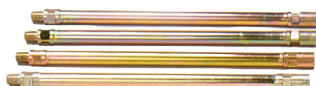


EXTENSION ROD



ART. CODE	DESCRIPTION
011001B	Extension rod, 100 cm (inclusive coupling sleeve) bayonet.

EXTENSION ROD



ART. CODE	DESCRIPTION
011013C	Extension rod, 50 cm, conical screwthread connection.

PROTECTIVE CASING



ART. CODE	DESCRIPTION
100312	Protective casing for above ground installation of GDT-S Prime, with mounting hole for external antenna, inside Ø 77 mm, length 1 m. Casing lockable with (serie) padlock (art. no. 10020003), with bore hole anchoring (anchor: augering, not digging!).

ADAPTOR SET



ART. CODE	DESCRIPTION
11313602	Adaptor set for installation of a monitoring well modem. Consisting of adaptor piece for monitoring well pipe outside Ø 32 mm to pvc pipe 63 mm, length 40 cm, for installation of a monitoring well modem.

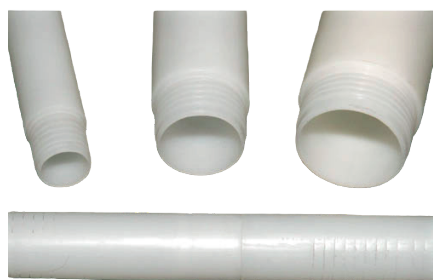


FILTER SAND



ART. CODE	DESCRIPTION
109803	The filter sand, consisting of 99.5% SiO ₂ , is extremely low in trace metals and aromatic hydrocarbons. This makes our filter sand the best sand available for monitoring well systems.

FILTER PIPE



ART. CODE	DESCRIPTION
10012302	Filter pipe, natural HDPE, Ø 32x25mm, length 100 cm, with horizontal slits (0.3 mm), with screw thread socket (same Ø) and leakproof till minimal 3.0 bar, tensile strength maximal 250 kg, set of 35 pieces, with KIWA certificate.



CODE:
1097

The bentonite, type QSE is suitable for restoring unpermeable layers in the soil, supplied in a (printed) sack of 25 kg, pellets have a diameter of 6 to 7 mm, Enslin value (swelling capacity) after 24 hours minimal 800%, with KIWA product certificate K654405/02. The pellet consists of a completely natural unblended pure bentonite clay with a very high percentage montmorillonite.

The bentonite, type QSE-5 is suitable for restoring unpermeable layers in the soil, supplied in a sack of 25 kg, pellets have a diameter of 6 to 7 mm, Enslin value (swelling capacity) after 24 hours minimal 200%, with KIWA product certificate K64406/01. The pellet consists of a completely natural unblended pure bentonite clay with a very high percentage montmorillonite.

*Available in sacks and pallet package.



BENEFITS BENTONITE PELLETS

ITEM	DESCRIPTION
1	Quality control by KIWA certification institute.
2	Chemical composition checked by KIWA.
3	Two swelling capacities 200 and 800%.

APPLICATIONS

ITEM	DESCRIPTION
1	Environmental soil research.
2	Monitoring well installation.
3	Monitoring water quantity.
4	Monitoring water quality.
5	Water sampling.

TECHNICAL SPECIFICATION

ITEM	DESCRIPTION	CAPACITY
1	CHEMICAL QC/QA HALLMARK	BRL KQ-265/02
2	PURE CHLORINATED HYDRO-CARBONS RESISTANT	No
3	PURE HYDROCARBONS RESISTANT	No
4	SWELLING CAPACITY	840
5	WATER TIGHT CONNECTION	Yes
6	WEIGHT	25 kg
7	PACKAGE SIZE	50 x 35 x 11 cm

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MCD OPTICAL 1-EYE PUR CABLE READ-OUT



ART. CODE	DESCRIPTION
11115005	MDC optical 1-eye PUR read-out cable for TD/Micro/Cera and CTD Divers, length 5 m, with connection to Diver-DXT. Suitable for monitoring wells from 1 inch diameter. Warranty 2 years.

POWER ADAPTER FOR GLOBAL DATA TRANSMITTER MULTIPLE



ART. CODE	DESCRIPTION
113240	Power adapter for Global Data Transmitter Multiple, 12V/ 1.25A, inclusive plug adapters for Euro, UK, USA and Australia. Cable length 1.8 m with 4 pole A-coded, M12-male connector.

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