PU[REC]

PURE RECORDING

> Portable & rugged
> 16 measurement channels
> Digital I/O, Counter
> CAN (optional)
> Easy to use touch operation

DEWETRON

EXPANDING

MEASURING

ANALYZING

EXPERIENCING

RECORDING

SYNCHRONIZING

EXPLORE THE NEW PU[REC]
purec.DEWETRON.com

THE MEASURABLE DIFFERENCE.

PU[REC]

PORTABLE AND RELIABLE DATA ACQUISITION SYSTEM FOR FIELD TESTS, TROUBLESHOOTING AND MAINTENANCE IN VARIOUS APPLICATION AREAS.

RECORDING FEATURES:

> Simple **recording** and **storing** of data
> **Quick navigation** on your PU[REC] or any PC with an installed (free) OXYGEN software
> Effortless **data review** also while still recording
> Various **trigger conditions** and powerful **trigger actions**
> Time-based and event-based **file-split options**
> Channel-specific **storing options** for waveform and statistics data recording
> Diverse **math and calculation features** to retrieve insights from your data
> Easy **report creation** and many **export features**
> **Local operation** and **remote control** for setup, acquisition and measurement

SYNCHRONIZING
Perfectly synchronize several DEWETRON devices via OXYGEN-NET.

RECORDING ●
Easily preserve your measurement tasks for future tasks and collaboration.

EXPERIENCING
Purely experience the performance with every touch of the built-in intel core processor on the wide and bright 15.6" **multi-touch display** (FullHD 1920 x 1080).

MEASURING
Precisely measure signals from **16 analog input channels** and CAN.

EXPANDING
Expand to any signal input via **analog input channels** and **quasi-static channel expansions** by DEWETRON.

ANALYZING
Analyze your data with our included measurement software OXYGEN - the most intuitive data analysis software you have ever seen - in live mode or post-processing.

KEY FACTS

> Rugged & portable
> Multi-touch display
> Pure data recording
> Reliable & precise data acquisition
> Easy to use measurement software

ADD-ONs

> Analog input channels: Modular Smart Interfaces (MSI)
> Quasi-static channel expansions: EPAD2 modules
> CAN

ONE DEVICE FOR MANY APPLICATIONS

THE NEW PU[REC] IS PORTABLE AND THEREFORE THE IDEAL MEASUREMENT DEVICE TO USE FOR FIELD TESTS.

The rugged chassis allows to use the device even in rough environments to analyze **electrical** or **mechanical** **components** in the sectors of **industrial**, **aerospace**, **transportation** and many more.

AVAILABLE OPTIONS

50 kS/s

PU[REC]-50
Data recorder with 50 kS/s acquisition rate

200 kS/s

PU[REC]-200
Data recorder with 200 kS/s acquisition rate

CAN

PU[REC]-OPT-CAN
Extension of the PU[REC] with a highspeed CAN interface
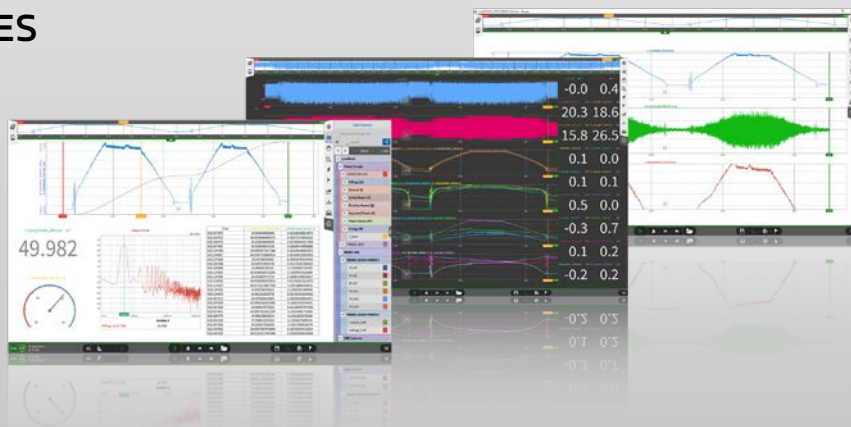
PU[REC]-BAG
Transportation bag for the PU[REC]

MEASUREMENT SOFTWARE OXYGEN

The pre-installed measurement software OXYGEN - also a DEWETRON product - enables gapless data recording.
As OXYGEN is the most intuitive measurement software, it enables you to be operated via multi-touch display. Customize the software according to your measurement tasks by defining different screens and views!

STANDARD SOFTWARE FEATURES

> FFT Analysis
> Visualization
> Analysis & Post-processing
> Trigger & Events
> Math & Calculation
> Export Features
> Reporting
> ...and many more

SOFTWARE OPTIONS

OXY NET

OXYGEN-NET (OXY-OPT-NET)
OXYGEN option for distributed synchronized data acquisition via Ethernet incl. data transfer and remote configuration

CAN OUT

CAN-OUT (OXY-OPT-CAN-OUT)
OXYGEN option for transmitting measurement data via CAN, configured with a .dbc-File

ETHERNET RECEIVER (OXY-OPT-ETHERNET-REC)
OXYGEN option for receiving UDP data packets via Ethernet (synchronized via timestamp), with XML-description

MAINTENANCE EXTENSION (OXYGEN-MAINT-EXT-1Y)
Extension of the maintenance time by one year incl. OXYGEN update (also major versions)

SPECIFICATIONS

SAMPLING RATE
50 kS/s (optional 200 kS/s)

ACCURACY
± 0.02 % of reading
± 0.01 % of range
± 20 µV

ANALOG INPUT CHANNELS
16 x 9-pin female D-SUB, ± 10 V

DIGITAL INPUTS
Digital I/O & counter

DATA STORAGE
1 TB SSD (168 h @ 50 kS/s, 42 h @ 200 kS/s)

POWER SUPPLY
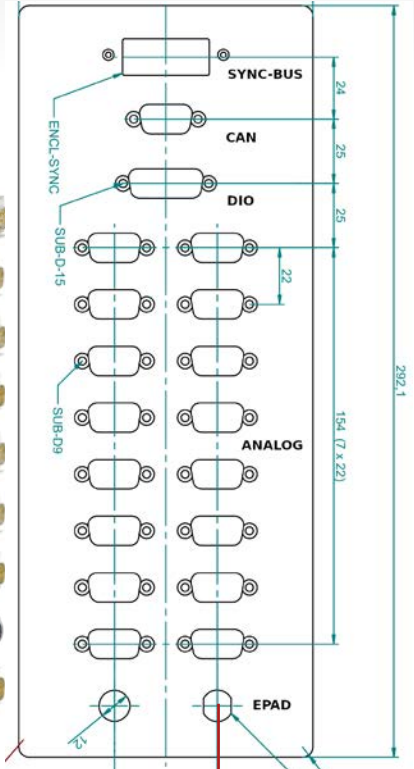90 to 264 VAC

OPTIONS
CAN

DISPLAY
15.6" multi-touch display
FullHD 1920 x 1080

DIMENSIONS (W x D x H)
463 x 129 x 318 mm, (18.2 x 5.1 x 12.5 in.)

WEIGHT
7.3 kg (16.1 lb.)

ADD-ONs

ANALOG INPUT CHANNELS: MODULAR SMART INTERFACES

MSI2-250R-20mA	4 to 20 mA sensors	
MSI2-STG	Full-bridge, half-bridge, quarter bridge 120 Ω and 350 Ω	
MSI2-LVDT	LVDT and RVDT sensors, 5 wire connection	
MSI-BR-ACC	IEPE® sensors, typ. accelerometer, microphone	
MSI2-CH-x	Charge type sensors up to 100 000 pC	
MSI2-TH-x	Thermocouple sensors: Standard models for type K, J, T, others on request	
MSI-BR-V-200	Voltage up to 200 V	
MSI2-V-600	Voltage up to 600 V	
MSI-BR-RTD	RTD sensors: Pt100, Pt200, Pt500, Pt1000, Pt2000; 2, 3, 4 wire connection	

SYNC-BUS
CAN
DIO
ANALOG
EPAD
ENCL-SYNC
SUB-D-15
SUB-D9

QUASI-STATIC CHANNEL EXPANSION VIA EPAD2

EPAD2-V8	EPAD2-TH8
8 isolated voltage inputs INPUT: max. ± 50 V	8 thermocouple inputs INPUT: Types K, T, J, E, R, S, B, N, C, U
EPAD2-LA8 8 isolated current inputs INPUT: max. ± 30 mA	**EPAD2-RTD8** 8 isolated Resistance Temperature Detector (RTD) inputs INPUT: RTD Pt100, Pt200, Pt500, Pt1000, Pt2000 Resistance: 0 - 999.99 Ohm

DEWETRON

GET TO KNOW OUR
GLOBAL OFFICES

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ABOUT DEWETRON

DEWETRON is a manufacturer of precision Test & Measurement systems designed to help our customers make the world more predictable, efficient and safe. Our strengths lie in customized solutions that are immediately ready for use while also being quickly adaptable to the changing needs of the test environment and sophisticated technology of the Energy, Automotive, Transportation and Aerospace industries.

More than 30 years of experience and innovation have awarded DEWETRON the trust and respect of the global market.

There are more than 25,000 DEWETRON measurement systems and over 400,000 measurement channels in use in well-known companies worldwide. Choosing DEWETRON means, having a partner by your side who accompanies you every step of the way.

DEWETRON employs over 120 people in 25 countries and is part of the TKH Group, a global corporation, that specializes in the development and supply of innovative solutions worldwide. DEWETRON's quality is certified in compliance with ISO9001, ISO14001 and ISO17025.

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