



DEWETRON

PU[REC]

PURE RECORDING

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



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



PU[REC]-50

Data recorder with 50 kS/s acquisition rate



PU[REC]-200

Data recorder with 200 kS/s acquisition rate



PU[REC]-OPT-CAN

Extension of the PU[REC] with a highspeed CAN interface



PU[REC]-BAG

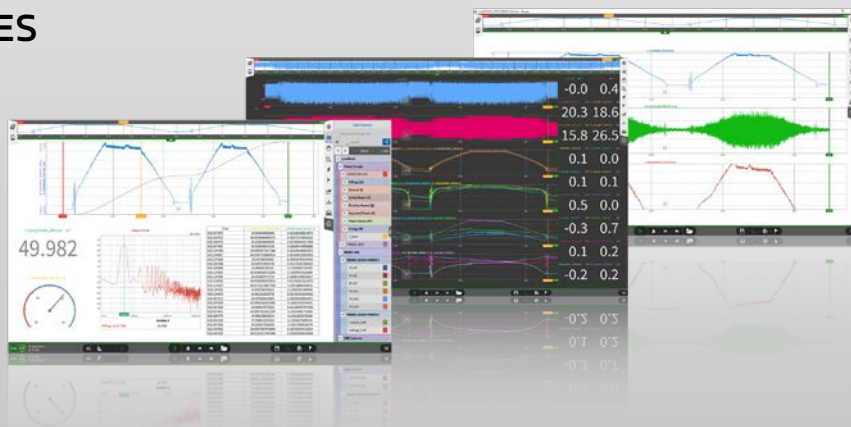
Transportation bag for the PU[REC]

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



OXYGEN-NET (OXY-OPT-NET)

OXYGEN option for distributed synchronized data acquisition via Ethernet incl. data transfer and remote configuration



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

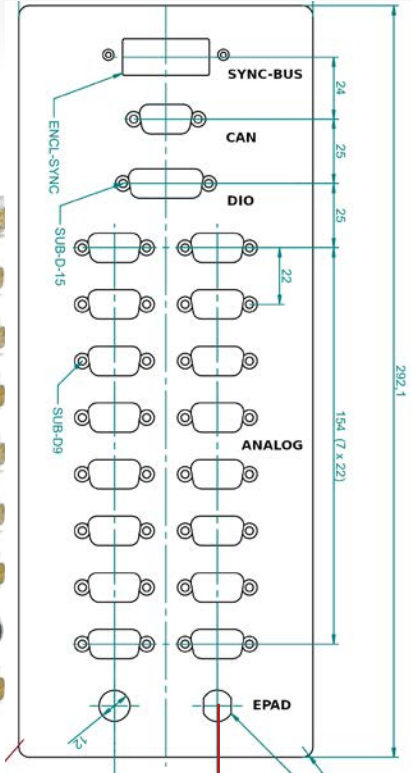
DIMENSIONS (W x D x H)
463 x 129 x 318 mm, (18.2 x 5.1 x 12.5 in.)

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
-  **MSI2-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



QUASI-STATIC CHANNEL EXPANSION VIA EPAD2

EPAD2-V8
8 isolated voltage inputs
INPUT: max. ± 50 V

EPAD2-TH8
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
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SYSTEM TECHNOLOGY
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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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