

# PRESS RELEASE

October 7, 2024

## AEMC® Instruments Introduces a **NEW** Intrinsically Safe TRMS Digital Multimeter Model MTX 3297Ex

*(for permanent use in Ex explosive atmospheres)*

The Model MTX 3297Ex is an **intrinsically safe** TRMS digital multimeter designed for electrical measurement work in potentially explosive (Ex) areas. It is the highest industrial performing multimeter inside and outside Ex conditions. **A major innovation in the Instrumentation market!** It is rugged, ergonomic and accurate thus maintaining the highest electrical safety.

The ASYC IV Series MTX 3297Ex multimeter is ATEX/IECEx certified for mines and in the presence of gas and explosive dust (<65 V and <5 A RMS). This portable multifunctional meter measures voltage, current, resistance, capacitance, frequency, temperature and diodes. The MTX 3297Ex comes with ATEX installed batteries, leads, probes, quick start guide, test report, certificate of conformity and SX-DMM software.

### FEATURES

- Certified for **IIC (gas) zones 0, 1 and 2, IIC (dust) zones 20, 21 and 22** and Mines (firedamp), allowing **permanent use** in the oil, chemicals, pharmaceutical and mining industries (see website for NEC equivalent)
- 60,000-count resolution, TRMS AC+DC/AC/DC, 0.05% basic accuracy and 100 kHz bandwidth
- Large (2.75 x 2) inch backlit screen with dual display
- Resolution from 1  $\mu$ V for voltage and 0.01  $\mu$ A for current
- Intuitive electronic function switch with backlit keys
- A terminal strip at the top of the display, complete with a reminder and connection check feature
- An isolated optical communication for seamless data processing, real-time monitoring, and easy software upgrades when paired with the SX-DMM software
- Voltage, current and resistance measurements
- Min, MAX, AVG, Peak+ and Peak- functions
- $\Delta X$  differential and  $\Delta X/X$  relative functions
- Low-pass filter for measurement on PWM signals
- $V_{LowZ}$  low-impedance DC voltage in the presence of disturbance voltages
- Audible continuity, diode test
- Capacitance and temperature
- Molded red casing offering excellent grip and optimum protection against shocks and falls
- IP67 rating for liquid and dustproofing (*out of operation*)
- Safety rating: 1000 V CATIII / 600 V CATIV, complies with IEC 61010-2-033 standard and usable outside Ex areas



**metrix**  
a brand of Chauvin Arnoux®



**WARNING: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT**

### TARGET MARKETS & APPLICATIONS

- Industrial Industries
- Plant Maintenance
- Agri-food Industries
- Arms Industry and Ordnance Devices
- Electricity Generation
- Electrical Maintenance
- Chemical Industries
- Process and Processing Industries

### ORDERING INFORMATION

**Cat. #2154.11 - Model MTX 3297Ex** **Price: \$1,899.00**

Digital Multimeter Model MTX 3297Ex (EX/IECEx, Intrinsically Safe TRMS, AC/DC) Includes: Meter, set of color-coded leads and test probes (red/black), batteries (installed), quick start guide, test report and certificate of conformity

### REPLACEMENTS (for use in Ex Zones)

**Cat. #5000.94 - Leads** **Price: \$26.50**

Set of (2) 5 ft silicone color-coded w/ 4 mm straight/right angle banana plugs (1000 V CAT IV, UL V2)

**Cat. #5000.97 - Probe** **Price: \$9.00**

Black Test Probe (1000 V CAT IV, 15 A, UL V2)

**Cat. #5000.98 - Probe** **Price: \$9.00**

Red Test Probe (1000 V CAT IV, 15 A, UL V2)

**Cat. #5100.20 - Battery** **Price: \$64.00**

Set of (4) 1.5 V AA Ex Lithium batteries for Model MTX 3297Ex

**Cat. #5100.21 - Fuse** **Price: \$30.80**

Set of (1) 10 A, 1000 V, (10 x 38) mm, Ex for Model MTX 3297Ex

### SUBMITTED BY:

Kathleen Annis, *Marketing Communications Manager*  
AEMC® Instruments • 15 Faraday Dr. • Dover, NH 03820  
(800) 343-1391 • (603) 742-2346 (fax) • [marketing@aemc.com](mailto:marketing@aemc.com)

### TECHNICAL CONTACT:

Guy Belliveau, *Applications Engineer*  
(800) 343-1391 (x531)  
[techsupport@aemc.com](mailto:techsupport@aemc.com)