



EUROPEAN DECLARATION OF CONFORMITY

Manufacturer:

Electron Machine Corp
15824 Co Rd 450
Umatilla, FL 32784
(352)-669-3101

Product: Process Refractometers

Model No. MPR E-Scan, MPR E-Scan I.S. (ATEX and IECEx certified), DCR E-Scan

The undersigned hereby declares, on behalf of the Electron Machine Corp of Umatilla, FL that the above-referenced product, to which this declaration relates, is in conformity with the provisions of:

Council Directive **2006/95/EC** on Low Voltage Devices

Council Directive **2004/108/EC** on Electromagnetic Compatibility;

Council Directive **2011/65/EU** on Restriction of Hazardous Substances in Electrical and Electronic Equipment;

Council Directive **2014/34/EU** on Equipment and protective systems intended for use in potentially explosive atmospheres

List European standards used:

- **EN 61010-1:2010**, Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
- **EN 61326-1:2013**, Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements
- **EN 55011:2009**, Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
- **EN 61000-3-2:2014**, Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- **EN 61000-3-3:2013**, Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
- **EN 50581:2012**, Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
- **EN 60079-0:2018**, Explosive atmospheres - Part 0: Equipment – General requirements
- **EN 60079-11:2012** Explosive atmospheres. Equipment protection by intrinsic safety "i"

The Technical Construction File required by this Directive is maintained at the corporate headquarters of Electron Machine Corp, 15824 Co Rd 450, Umatilla, FL 32784.

Signature: _____

Mike Light

Engineering Manager

Date: _____

20/8/19

