



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1945538

Master Contract: 239868

Project: 1945538

Date Issued: 2007/12/18

Issued to: EESIFLO International PTE Ltd

60 Kaki Bukit Place
Singapore, SG-south 415979
Singapore
Attention: David Hughes

The products listed below are eligible to bear the CSA Mark shown



Issued by: Wesley Van Hill, C.E.T.

Authorized by: Patricia Pasemko, Operations
Manager

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For
Hazardous Locations

Class I, Division 1, Groups C and D; Class I, Zone 0 Group IIB; Exia IIB T4; IP66

Water in Oil Monitor; Model EASZ-1 or SS/W; Intrinsically Safe Exia IIB; Temperature Code - T4; Ambient
Temperature Range $-20^{\circ}\text{C} < T_a < 60^{\circ}\text{C}$

Entity Parameters

Maximum input voltage – $U_i = 28 \text{ V}$



Certificate: 1945538

Master Contract: 239868

Project: 1945538

Date Issued: 2007/12/18

Maximum input current – $I_i = 93\text{mA}$

Maximum input power – $P_i = 0.66\text{ W}$

Maximum internal capacitance – $C_i = 237\ \mu\text{F}$ (at 7.2Vdc) or 110nF (at 28Vdc)

Maximum internal inductance – $L_i = 0\ \mu\text{H}$

Notes:

- Intrinsically safe isolation shall be achieved using barriers of the isolator or galvanic type per instruction manual
- The RS232 connection is for EESIFLO to calibrate the unit. Under no circumstances shall the user connect the RS232 cable to the monitor. Should the unit require recalibration it shall be returned to EESIFLO
- Water in Oil Monitor is not capable of withstanding the 500v r.m.s electrical strength test. This must be taken into account when installing the monitor.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-M1991 - General Requirements Canadian Electrical Code Part II

CSA Standard C22.2 No.142-M1987 – Process Control Equipment

CSA Standard C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CAN/CSA E60079-0:07 - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements

CAN/CSA E60079-11:02 - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"