Nomenclature

Symbo.	s	2
A	Area	m^2
A_{e}	Output value as obtained from experimental data	-
A_{p}	Output value predicted by the neural network model	-
$\mathbf{B}_{\mathbf{x}}$	Bias error	-
\mathbf{C}	Constant	-
C_d	Coefficient of orifice	~
CV	Caloric value	kJ/kg
D -	Engine cylinder diameter	m
Exp.	Experimental	`- '
F/A	Fuel / air ratio	-
. g :	Acceleration due to gravity	m/s^2
L	Engine cylinder stroke	m
m_a	Air mass flow rate	kg/s
m_f	Diesel fuel mass flow rate	kg/s
m_{H_2}	Hydrogen mass flow rate	kg/s
N.	Speed	rpm
P	Pressure	N/m^2
P_{x}	Precision error	-
R	Evaluation factor for average accuracy	-
Ra	Average residual	-
RSS	Residual of sum squares	-
T	Temperature	°C
Q ·	Air flow rate	m^3/s
X	Variable	-
U_x	Uncertainty	•
W	Brake force	N
Greek		
σ	Evaluation factor for scatter accuracy	-
ρ	Density	Kg/m ³
Ø ·	Equivalence ratio	-
η	Efficiency	%
Subscr	ipts	
A	Air	
\mathbf{E}	Experimental	
exh.	Exhaust	
F	Diesel fuel	ı
P	Predicted	
rms	Root mean square	
S	Swept	
stoch	Stoichiometric	
X	Variable	
\mathbf{W}	Water	